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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001
Agency Interest No. 2082

Mr. Chris Toups
Site Leader
Honeywell International, Inc. – Geismar Plant
P.O. Box 226
Geismar, LA 70734-0226

RE: Part 70 Operating Permit Modification; Fluorocarbon Plants; Honeywell International, Inc. –
Geismar Plant; Geismar; Ascension Parish; Louisiana

Dear Mr. Toups:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 0180-00003-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:kap

c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FLUOROCARBON PLANTS
AGENCY INTEREST NO.: 2082
HONEYWELL INTERNATIONAL INC. – GEISMAR PLANT
GEISMAR, ASCENSION PARISH, LOUISIANA

I. Background

Honeywell International Inc. (Honeywell) owns and operates an existing chemical manufacturing facility near Geismar, Ascension Parish, Louisiana referred to as the Geismar Plant (GMP). The Geismar Plant, formerly owned by AlliedSignal Inc., began operation in 1967. The manufacturing facilities at the Geismar Plant consist of several fluorocarbon production units (the Fluorocarbon Plants) and a hydrofluoric acid (HF) production unit (the HF Plant). The Fluorocarbon Plants currently operate under Part 70 Operating Permit No. 0180-00003-V1 issued on January 17, 2007. The HF Plant currently operates under Part 70 Operating Permit No. 2394-V0 issued on June 22, 2006.

This permit is a major modification of the current Part 70 Operating Permit for the Fluorocarbon Plants.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Honeywell International Inc. on March 4, 2008 requesting a modification of its Part 70 operating permit. Additional information dated July 28, 2008 was also received.

III. Description

The Geismar Plant consists of the HF Plant, the General Plant (common areas of the Fluorocarbon Plants), the Multi-Products Plant (MPP) which is a flexible operating unit that can produce either 1,1,1,2-tetrafluoroethane (HFC-134a) during the "134a Mode" or a series of HFC "120" class products (primarily HFC-125) during the "120s Mode", two stand alone units which produce pentafluoropropane (the HFC-245fa Plant) and pentafluoroethane (the HFC-125 Plant), and the ACLON Plant which produces fluoropolymers. All of the manufacturing units above, with the exception of the HF Plant, comprise the Fluorocarbon Plants and operate under Permit No. 0180-00003-V1 issued on January 17, 2007.

In this Part 70 Operating Permit modification, Honeywell requested the following:

- To install a new diesel-engine driven emergency generator set (Emission Point No. (EPN) 1-08) which will serve the central control facility (control room).
- To increase the throughputs of three tanks (EPNs. 9-93, 7-00, and 10-02) in the General Plant Area. There will be no state or federal regulatory changes associated with the increases. Increases in emission rates as a result of the throughput increases will be negligible. As a result, there will be no change in the current permitted emission limits of each tank.

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In addition to the above requested changes by Honeywell, this permit modification addresses recent federal and state air regulation updates, as well as TEMPO air report format changes. All requirements and references to 40 CFR 63 Subpart DDDDD, which was vacated on June 8, 2007 by the U.S. Court of Appeals, District of Columbia Circuit, were removed from the permit. State air regulations under LAC 33:III.Chapters 15 and 51 were updated for the applicable emission sources. TEMPO changes include replacing the Permitted Totals Group (GRP031) with the Unit or Facility Wide Group (UNF0001) and revised air report formats for the Criteria Pollutant Emission Rates, TAP/HAP Emission Rates, Specific Requirements, and Inventories.

Prevention of Significant Deterioration (PSD) Review

The Geismar Plant is classified as a major stationary source under the PSD regulations of the New Source Review (NSR) program. Since the potential to emit of carbon monoxide (CO), particulate matter (PM₁₀), and sulfur dioxide (SO₂) associated with the proposed project (emergency generator set) are below the PSD significance levels (100 tpy for CO, 15 tpy for PM₁₀, and 40 tpy for SO₂) as defined in LAC 33:III.509, PSD review is not required.

Non-attainment New Source Review (NNSR)

The Geismar Plant is classified as a major stationary source and is located in Ascension Parish which is included in the 5-parish Baton Rouge ozone non-attainment area. On April 21, 2008, the classification of the Baton Rouge ozone non-attainment area was changed from marginal to moderate. Since the potential to emit of volatile organic compounds (VOC) and nitrogen oxides (NO_x) associated with the proposed project (emergency generator set) are below the trigger values (25 tpy for both VOC and NO_x) as defined in LAC 33:III.504.M.1.a, NNSR review is not required.

Permitted Emission Rates

Estimated emissions in tons per year (TPY) from each unit included in the Fluorocarbon Plants are as follows:

Pollutant	General Plant	ACLON Plant	HFC-245fa Plant	HFC-125 Plant	Multi-Products Plant	
					134a Mode	120s Mode
PM ₁₀	28.26	4.36	0.03	0.77	10.62	10.62
SO ₂	2.88	-	-	0.06	0.05	0.05
NO _x	65.49	-	-	5.05	4.44	4.44
CO	76.80	-	-	9.47	9.29	8.47
VOC	7.24	21.92	8.33	8.67	11.83	8.22

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Pollutant	General Plant	ACLON Plant	HFC-245fa Plant	HFC-125 Plant	Multi-Products Plant	
					134a Mode	120s Mode
Total ODS ¹	2.77	-	4.52	44.93	45.59	81.84
Acetaldehyde	0.001	-	-	-	-	-
Acrolein	< 0.001	-	-	-	-	-
Antimony	-	-	0.02	-	-	-
Benzene	0.001	-	-	-	-	-
1,3-Butadiene	< 0.001	-	-	-	-	-
Chlorine	0.16	-	1.52	-	0.62	0.71
Chloroform	-	-	0.21	-	-	-
Dichloromethane	1.76	-	-	-	-	-
Formaldehyde	0.062	-	-	0.01	0.01	0.01
Hydrochloric Acid (HCl)	9.66	-	0.68	4.89	4.32	4.98
Hydrogen Fluoride (HF)	5.68	-	1.03	1.63	0.61	1.72
Naphthalene	< 0.001	-	-	-	-	-
Polynuclear Aromatic Hydrocarbons	< 0.001	-	-	-	-	-
Sulfuric Acid	0.02	-	< 0.01	-	1.51	6.62
Tetrachloroethylene (Perc)	0.35	-	-	1.35	-	3.39
Toluene	0.001	-	-	-	-	-
Trichloroethylene (TCE)	-	-	-	-	3.49	-
Xylene (mixed isomers)	< 0.001	-	-	-	-	-

¹ Total ozone depleting substances (ODSs) include NRHC ODSs and VOC ODSs. NRHC ODSs include, but are not limited to the following: CFC-113, CFC-114, CFC-115, HCFC-22, HCFC-123, HCFC-123a, and HCFC-124. VOC ODSs include, but are not limited to the following: CFC-13, CFC-113a, CFC-114a, CFC-243fa, CFC-244bb, HCFC-122, HCFC-124a, HCFC-133a, HCFC-224aa, HCFC-233da, HCFC-234da1, and HCFC-235fa.

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Total emissions changes in tons per year (TPY) for the Fluorocarbon Plants are as follows:

Pollutant	Before ³	After ³	Change
PM ₁₀	44.03	44.04	+ 0.01
SO ₂	2.83	2.99	+ 0.16
NO _x	74.49	74.98	+ 0.49
CO	95.35	95.56	+ 0.21
VOC*	57.98	57.99	+ 0.01
Total ODS	134.06	134.06	0.00

***VOC Toxic Air Pollutant (TAP) Speciation (TPY)**
LAC 33:III.Chapter 51 Regulated VOC TAPs

Pollutant	Before ³	After ³	Change
Acetaldehyde ²	0.00	0.001	+ 0.001
Acrolein	0.00	< 0.001	+ < 0.001
Benzene	0.00	0.001	+ 0.001
1,3-Butadiene ²	0.00	< 0.001	+ < 0.001
Chloroform	0.21	0.21	0.00
Formaldehyde	0.08	0.082	+ 0.002
Naphthalene	0.00	< 0.001	+ < 0.001
Polynuclear Aromatic Hydrocarbons	0.00	< 0.001	+ < 0.001
Toluene ²	0.00	0.001	+ 0.001
Trichloroethylene (TCE)	3.49	3.49	0.00
Xylene (mixed isomers) ²	0.00	< 0.001	+ < 0.001
Total	3.78	3.784	+ 0.004

² HRVOC (Highly Reactive Volatile Organic Compound)

Other VOCs	54.21
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Non-VOC TAP Speciation (TPY) LAC 33:III.Chapter 51 Regulated Non-VOC TAPS			
Pollutant	Before³	After³	Change
Antimony	0.02	0.02	0.00
Chlorine	2.39	2.39	0.00
Dichloromethane	1.76	1.76	0.00
Hydrochloric Acid (HCl)	20.21	20.21	0.00
Hydrogen Fluoride (HF)	10.06	10.06	0.00
Tetrachloroethylene (Perc)	5.09	5.09	0.00
Sulfuric Acid	6.64	6.64	0.00
Total	46.17	46.17	0.00

³ Includes the maximum value under either the 134a Mode or 120s Mode and is not the sum of both modes.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Non-Attainment New Source Review (NNSR) requirements do not apply.

The Geismar Plant is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. LAC 33:III.Chapter 51 requires major sources emitting a Class I or Class II TAP in quantities greater than the Minimum Emission Rate (MER) listed for that pollutant in LAC 33:III.5112, Table 51.1 to control emissions of that pollutant to a degree that constitutes Maximum Achievable Control Technology (MACT). The Geismar Plant emits the following Class II TAPs at rates above their respective MERs listed in LAC 33:III.5112, Table 51.1: antimony compounds, chloroform, dichloromethane, tetrachloroethylene, and trichloroethylene. Sources in the Fluorocarbon Plants emitting these compounds require MACT. The Fluorocarbon Plants also emit chlorine, hydrochloric acid, hydrogen fluoride, and sulfuric acid which are Class III TAPs at rates above their respective MERs, but sources emitting these compounds do not require MACT since they are Class III TAPs.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance

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or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

Since the proposed project (emergency generator set) constitutes a Title I modification as defined in LAC 33:III.502, the permit modification must be issued pursuant to LAC 33:III.527 using the significant modification procedures. As such, public notice of this permit modification is required.

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <Date>, 2008, and in *The Gonzales Weekly Citizen*, Gonzales, on <Date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <Date>, 2008. The draft permit was also submitted to US EPA Region VI on <Date>, 2008. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
Emissions were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. The proposed project did not require the applicant to model emissions.			

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VIII. General Condition XVII Activities

Activity ID No.	Activity	Frequency of Activity
General Plant		
01-GCXVII	Desiccant Changeouts	Approx. 168 changeouts/yr
Multi-Products Plant		
02-GCXVII	Catalyst Charges and Removal	Varies
03-GCXVII	Catalyst Preparation	2 events/year
04-GCXVII	Diversion of Tail Tower Emissions	Varies
05-GCXVII	PCE and TCE Blowback	6/year
06-GCXVII	Maintenance Activities	Varies
07-GCXVII	Desiccant Changeouts	Varies
08-GCXVII	Chlorine Cylinder Changes	60 events/year
ACLON Plant		
09-GCXVII	CTFE Filter Cartridge Change	12 events/year
10-GCXVII	CTFE Storage Filter Clearing	24 events/year
11-GCXVII	Tank U-506 Degassing	Once/year
12-GCXVII	Vent Receiver U-557 Degassing	Once/year
13-GCXVII	CTFE Offloading Pump Maintenance	Once/year
14-GCXVII	CTFE Circulation Pumps Maintenance	4 events/year
15-GCXVII	CTFE Circulation Pumps PSV Maintenance	Once/year
16-GCXVII	Tank U-506 PSV Maintenance	Once/year
17-GCXVII	Vent Receiver U-557 PSV Maintenance	Once/year
18-GCXVII	Exchanger E-506 Maintenance	4 events/year
19-GCXVII	VF2 Filter Clearing	12 events/year
20-GCXVII	VF2 Feed Piping Clearing	12 events/year
21-GCXVII	Chlorine Cylinder Changes	10 events/year
HFC-125 Plant		
22-GCXVII	Catalyst Charges and Removal	Varies
23-GCXVII	Catalyst Preparation	Varies
24-GCXVII	Diversion of Tails Tower Emissions	Varies
25-GCXVII	Maintenance Activities	Varies
26-GCXVII	Desiccant Changeouts	Varies
HFC-245fa Plant		
27-GCXVII	Diversion of Tails Tower Emissions	Varies
28-GCXVII	Chlorine Column Purge	4 events/day
29-GCXVII	Maintenance Activities	Varies
30-GCXVII	Desiccant Changeouts	Varies

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Activity ID No.	Total Annual Emissions (tons/yr)					
	PM ₁₀	SO ₂	NO _x	CO	VOC	Other
01-GCXVII	-	-	-	-	-	-
02-GCXVII	0.25	-	-	-	-	0.005 Cr (VI)
03-GCXVII	-	-	-	-	-	0.003 HF
04-GCXVII	-	-	-	1.25	2.06	-
05-GCXVII	-	-	-	-	0.01	-
06-GCXVII	-	-	-	-	3.02	0.18 Perc 0.12 TCE
07-GCXVII	-	-	-	-	0.01	-
08-GCXVII	-	-	-	-	-	0.02 Cl ₂
09-GCXVII	-	-	-	-	0.97	-
10-GCXVII	-	-	-	-	1.45	-
11-GCXVII	-	-	-	-	0.22	-
12-GCXVII	-	-	-	-	0.34	-
13-GCXVII	-	-	-	-	0.06	-
14-GCXVII	-	-	-	-	0.34	-
15-GCXVII	-	-	-	-	0.21	-
16-GCXVII	-	-	-	-	< 0.001	-
17-GCXVII	-	-	-	-	< 0.001	-
18-GCXVII	-	-	-	-	0.32	-
19-GCXVII	-	-	-	-	0.35	-
20-GCXVII	-	-	-	-	0.02	-
21-GCXVII	-	-	-	-	-	0.003 Cl ₂
22-GCXVII	0.25	-	-	-	-	0.005 Cr (VI)
23-GCXVII	-	-	-	-	-	0.003 HF
24-GCXVII	-	-	-	0.08	0.02	-
25-GCXVII	-	-	-	< 0.01	-	< 0.001 HF < 0.001 HCl
26-GCXVII	-	-	-	-	< 0.001	-
27-GCXVII	-	-	-	0.03	2.74	-
28-GCXVII	-	-	-	-	-	< 0.001 Cl ₂ < 0.001 HF
29-GCXVII	-	-	-	-	-	< 0.001 Cl ₂ < 0.001 HF < 0.001 HCl
30-GCXVII	-	-	-	-	< 0.01	-

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IX. Insignificant Activities

Description	Max Rate (TPY) or Tank Capacity	Citation
General Plant Areas		
I-08a Generator Diesel Tank	Diesel, 194 gals.	LAC 33:III.501.B.5.A.3
Multi-Products Plant		
Tank U-120	Caustic	LAC 33:III.501.B.5.B.40
Tank U-140	Sodium Sulfite	LAC 33:III.501.B.5.A.4
ACLON Plant		
Tanks U-500 A, B, C, and D	Potassium Persulfate	LAC 33:III.501.B.5.A.4
Tanks U-501 A, B, C, and D	Sodium Metabisulfite	LAC 33:III.501.B.5.A.4
Tanks U-502 A, B, C, and D	Sodium Metabisulfite	LAC 33:III.501.B.5.A.4
Tanks U-503 A, B, C, and D	Deionized Water	LAC 33:III.501.B.5.A.4
Tanks U-505 A and B	Caustic	LAC 33:III.501.B.5.B.40
Tank U-560 Tank U-561 Tanks U-815 A and B	ACLON Sodium Metabisulfite Ferrous Sulfate Potassium Persulfate (No emissions)	LAC 33:III.501.B.5.A.4
Tank U-564	Perlite	LAC 33:III.501.B.5.A.4
Tank R-816	ACLON Sodium Metabisulfite Ferrous Sulfate Potassium Persulfate Sodium Bicarbonate (No emissions)	LAC 33:III.501.B.5.A.4
HFC-125 and 245fa Plants		
Tank U-6120	Caustic	LAC 33:III.501.B.5.B.40
Tank U-6294	Caustic Sodium Fluoride Antimony Sodium Chloride Water (No emissions)	LAC 33:III.501.B.5.A.4

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter											
		5'	9	11	13	15	1	1	1	1	1	2	2
UNF0001	Fluorocarbon Plants	1	1				3	1	1	3	3	3	1
	General Plant												1
EQT0065	1-93 Lime Silo					1							
EQT0067	6-93 Thermal Oxidizer #1						1	1	3			3	3
EQT0068	8-93 Emergency Diesel Generator #1						1	1	3			3	2
EQT0069	9-93 Thermal Oxidizer Acid Tank, U-920A									3			
EQT0070	10-93 Sulfuric Acid Storage Tank, U-130												3
EQT0071	1-95 HCl Fume Scrubber #1												3
EQT0072	3-00 Emergency Diesel Generator #2					1	1	3				3	2
EQT0073	4-00 Steam Boiler #2					1	1	3				1	
EQT0074	6-00 Thermal Oxidizer #2					1	1	3				3	3
EQT0075	7-00 Thermal Oxidizer Acid Tank, U-920B								3				3
FUG0019	10-00 Lime Slaker Fugitives							1					
EQT0076	11-00 Steam Boiler #3						1	1	3			1	
EQT0077	12-00 HCl Fume Scrubber #2											3	
EQT0078	13-00 TCE Tank, U-101									1		1	

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ID No.:	Description	LAC 33:III.Chapter																		
		5'	9'	11'	13'	15'	1'	1'	1'	1'	1'	2'	2'	2'	2'	2'	29*	51*	53	56
EQT0079	14-00 PCE Tank, U-100																			1
EQT0080	15-00 HF Solution/Spent Caustic Air Stripper																			3
EQT0081	20-00 HF Solution/Spent Caustic Air Stripper																			3
FUG0020	27-00 Lime Sludge Loading Fugitives											1								
EQT0082	28-00 Laboratory Hoods																			1
EQT0083	10-02 Rainwater Collection Tank, U-1811											3								1
EQT0084	11-02 Spent Sulfuric Acid Tank, U-935																			3
EQT0085	1-03 HFC-245fa/125 Plants Cooling Water System																			1
FUG0021	3-03 Fugitives and Unloading Operations																			1
EQ10086	5-03 Sulfuric Acid Storage Tank, U-1612																			3
GRF0025	6-03 Thermal Oxidizer Cap																			
GRP0026	7-03 HCl Fume Scrubber Cap																			
EQT0123	1-08 Control Room Emergency Diesel Generator Engine																	2	2	2
Multi-Products Plant (MPP 134a Mode)																				
RLP0006	2-93 Reactor Regen Stack																			3

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ID No.:	Description	LAC 33:III:Chapter																	
		5 ¹	9	11	13	15	1	0	0	1	1	1	1	2	2	2	2	2	2
EQT0087	5-93 Hot Salt Burner																		
FUG0022	11-93 MPP Fugitive Emissions																		
RLP0007	12-93 HCFC Absorber Regen Stack																		
EQT0088	9-00 MPP Cooling Water System																		
Multi-Products Plant (MPP 120 Mode)																			
RLP0011	2-93 Reactor Regen Stack																		
EQT0095	5-93 Hot Salt Burner																		
FUG0032	11-93 MPP Fugitive Emissions																		
EQT0096	9-00 MPP Cooling Water System																		
FUG0023	1-04 HF Recovery Fugitives																		
ACLON Plant																			
RLP0008	1-99 Fluoropolymer Fume Exhaust																		
RLP0009	4-99 CTFE Equipment Maintenance Vent																		
EQT0089	5-99 Process Cooling Tower																		
FUG0024	6-99 ACLON Plant Fugitive Emissions																		
EQT0090	18-00 Glycol Tank #1																		

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter														
		5'	9	11	13	15	1	1	1	1	1	22	29*	51*	53	56
FUC0025	25-00 ACLON Building Transfer Fugitives															
FUG0026	26-00 ACLON Sludge Loading Fugitives															
FUG0027	3-01 ACLON Neutralization Fugitives															
FUG0028	4-01 Precoat Tank Fugitives															
EQT0091	4-03 Glycol Tank #2															
HFC-245fa Plant																
RLP0010	1-00 Process Stack															
EQT0092	22-00 G-240 Storage Tank #1															
FUG0029	24-00 HFC-245fa Plant Fugitives															
FUG0030	2-03 SbCl ₃ Fugitives															
HFC-125 Plant																
EQT0093	5-00 Hot Salt System, X-1660															
EQT0094	8-00 Catalyst Generation Scrubber															
FUG0031	21-00 HFC-125 Plant Fugitives															

- The regulations indicated above are State-Only regulations.

¹ LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states that the regulation is State-Only.

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FLUOROCARBON PLANTS
AGENCY INTEREST NO.: 2082
HONEYWELL INTERNATIONAL INC. - GEISMAR PLANT
GEISMAR, ASCENSION PARISH, LOUISIANA

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank – The regulations clearly do not apply to this type of emission source.

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	NSPS												NESHAP						40 CFR Part 63							
		40 CFR 60						40 CFR Part 61						40 CFR Part 63						40 CFR Part 63							
		D	K	V	D	1	N	R	1	1	F	M	A	Q	S	E	F	Z	N	E	F	Z	N	E	F	Z	N
UNF001	Fluorocarbon Plants	1	1	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Plant																											
EQT0065	1-93 Lime Silo																										3
EQT0067	6-93 Thermal Oxidizer #1																										1
EQT0068	8-93 Emergency Diesel Generator #1																										3
EQT0069	9-93 Thermal Oxidizer Acid Tank, U-920A																										3
EQT0070	10-93 Sulfuric Acid Storage Tank, U-130																										3
EQT0071	1-95 HCl Fume Scrubber #1																										3
EQT0072	3-00 Emergency Diesel Generator #2																										3
EQT0073	4-00 Steam Boiler #2																										3
EQT0074	6-00 Thermal Oxidizer #2																										1
EQT0075	7-00 Thermal Oxidizer Acid Tank, U-920B																										3
FUG0019	10-00 Lime Slaker Fugitives																										3
EQT0076	11-00 Steam Boiler #3																										3
EQT0077	12-00 HCl Fume Scrubber #2																										1

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	NSPS 40 CFR 60			NESHAP 40 CFR Part 61			NESHAP 40 CFR Part 63			40 CFR Part			
		D	K	V	D	I	N	R	D	I	N	E	F	Z
EQT0078	13-00 TCE Tank, U-101		A	c	b									
EQT0079	14-00 PCE Tank, U-100													
EQT0080	15-00 HF Solution/Spent Caustic Air Stripper													
EQT0081	20-00 HF Solution/Spent Caustic Air Stripper													
FUG0020	27-00 Lime Sludge Loading Fugitives													
EQT0082	28-00 Laboratory Hoods													
EQT0083	10-02 Rainwater Collection Tank, U-1811													
EQT0084	11-02 Spent Sulfuric Acid Tank, U-935													
EQT0085	1-03 HFC-245fa/125 Plants Cooling Water System													
FUG0021	3-03 Fugitives and Unloading Operations													
EQT0086	5-03 Sulfuric Acid Storage Tank, U-1612													
GRP0025	6-03 Thermal Oxidizer Cap													
GRP0026	7-03 HCl Fume Scrubber Cap													
EQT0123	1-08 Control Room Emergency Diesel Generator Engine													1

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	NSPS 40 CFR 60		NESHAP 40 CFR Part 61		NESHAP 40 CFR Part 63		40 CFR Part	
		D	K	D	I	N	R	E	F
	A c b	V	D I	N R	I	E	F	Z	N
Multi-Products Plant (MPP 134a Mode)									
RLP0006	2-93 Reactor Regen Stack							1	1
EQT0087	5-93 Hot Salt Burner								3
FUG0022	11-93 MPP Fugitive Emissions							3	1
RLP0007	12-93 HCFC Absorber Regen Stack							3	3
EQT0088	9-00 MPP Cooling Water System							1	3
Multi-Products Plant (MPP 120 Mode)									
RLP0011	2-93 Reactor Regen Stack							1	1
EQT0095	5-93 Hot Salt Burner								3
FUG0032	11-93 MPP Fugitive Emissions							3	1
EQT0096	9-00 MPP Cooling Water System							1	3
FUG0023	1-04 HF Recovery Fugitives							3	1
ACLON Plant									
RLP0008	1-99 Fluoropolymer Fume Exhaust							3	3

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	NSPS 40 CFR 60				40 CFR Part 61				40 CFR Part 63				NESHAP				40 CFR Part						
		D	K	V	D	I	N	R	I	F	A	M	F	A	Q	S	E	F	Z	N	E	F	Z	N
RLP0009	4-99 CTFE Equipment Maintenance Vent																				3	3	3	3
EQT0089	5-99 Process Cooling Tower																				3	3	3	3
FUG0024	6-99 ACLON Plant Fugitive Emissions																				3	3	3	3
EQT0090	18-00 Glycol Tank #1																				3	3	3	3
FUG0025	25-00 ACLON Building Transfer Fugitives																				3	3	3	3
FUG0026	26-00 ACLON Sludge Loading Fugitives																				3	3	3	3
FUG0027	3-01 ACLON Neutralization Fugitives																				3	3	3	3
FUG0028	4-01 Precoat Tank Fugitives																				3	3	3	3
EQT0091	4-03 Glycol Tank #2																				3	3	3	3
HFC-245fa Plant																								
RLP0010	1-00 Process Stack																			3	3	3	3	3
EQT0092	22-00 G-240 Storage Tank #1																				3	3	3	3
FUG0029	24-00 HFC-245fa Plant Fugitives																			3	1	1	1	1
FUG0030	2-03 SbCl ₃ Fugitives																			3	3	3	3	3

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	NSPS 40 CFR 60		NESHAP 40 CFR Part 61		40 CFR Part 63		40 CFR Part											
		D	K	I	N	R	I	E	F	Z	N								
A	c	V	b	V	D	I	M	F	A	Q	S	E	F	Z	N	64	68	82	
HFC-125 Plant																			
EQT0093	5-00 Hot Salt System, X-1660																		3
EQT0094	8-00 Catalyst Generation Scrubber																		3
FUG0031	21-00 HFC-125 Plant Fugitives																		1

KEY TO MATRIX

- The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
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- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
UNF0001	Fluorocarbon Plants	LAC 33:III.2107 Control of Emission of Organic Compounds: VOCs - Loading	DOES NOT APPLY. The Geismar Plant does not load VOCs having a true vapor pressure at loading conditions of 1.5 psia or greater. [LAC 33:III.2107.A.1]
	LAC 33:III.2121 Control of Emission of Organic Compounds: Fugitive Emission Control	LAC 33:III.2122 Control of Emission of Organic Compounds: Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes	DOES NOT APPLY. The Geismar Plant does not manufacture as intermediates or as final products any chemicals listed in LAC 33:III.Chapter 21, Table 8.
	LAC 33:III.2153 Limiting VOC Emissions from Industrial Wastewater		DOES NOT APPLY. The Geismar Plant does not contain any affected VOC wastewater as defined in LAC 33:III.2153.A. The Geismar Plant does not contain any wastewater streams with a VOC concentration greater than 10,000 parts per million by weight (ppmw), or with a VOC concentration greater than 1,000 ppmw and a flow rate greater than 10 liters per minute. [LAC 33:III.2153.B]
	40 CFR 60 Subpart VV Standards of Performance for Equipment Leaks in the Synthetic Organic Chemicals Manufacturing Industry (SOCMI)		DOES NOT APPLY. The Geismar Plant does not manufacture any chemicals listed in 40 CFR 60.489 as intermediates or final products. [40 CFR 6.480(a)(1)]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No: <i>(continued)</i>	Description	Requirement	Notes
UNF0001	Fluorocarbon Plants	40 CFR 60 Subpart DDD Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	DOES NOT APPLY. The Geismar Plant does not manufacture any chemicals listed in 40 CFR 60.560. [40 CFR 60.560(a)]
		40 CFR 60 Subpart III Standards of Performance for VOC Emissions from SOCMI Air Oxidation Unit Processes	DOES NOT APPLY. The Geismar Plant does not manufacture any chemicals listed in 40 CFR 60.617 as a product, co-product, by-product, or intermediate. [40 CFR 60.610(a)]
		40 CFR 60 Subpart NNN Standards of Performance for VOC Emissions from SOCMI Distillation Operations	DOES NOT APPLY. The Geismar Plant does not manufacture any chemicals listed in 40 CFR 60.667 as a product, co-product, by-product, or intermediate. [40 CFR 60.660(a)]
		40 CFR 60 Subpart RRR Standards of Performance for VOC Emissions from SOCMI Reactor Processes	DOES NOT APPLY. The Geismar Plant does not manufacture any chemicals listed in 40 CFR 60.707 as a product, co-product, by-product, or intermediate. [40 CFR 60.700(a)]
General Plant			
EQT0065	1-93 Lime Silo	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT0067 EQT0074	6-93 Thermal Oxidizer # 1 6-00 Thermal Oxidizer # 2	LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide LAC 33:III.Chapter 22 Control of Emissions of Nitrogen Oxides (NO _x)	DOES NOT APPLY. Sources have the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3] DOES NOT APPLY. Sources meet the definition of an incinerator as defined in LAC 33:III.1111 and are exempt from the requirements of this Chapter per LAC 33:III.2201.C.7. DOES NOT APPLY. Sources do not emit a Class I or II TAP. MACT does not apply to these sources. [LAC 33:III.5109.A]
	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards		
	40 CFR 64 Compliance Assurance Monitoring (CAM)	Oxidizers either control emissions from sources regulated under another subpart in 40 CFR 63 or no individual process vents have the potential pre-control device emissions of a regulated pollutant equal to or greater than 100% of the amount, in tons per year, required for the source to be classified as a major source. [40 CFR 64.2(b)(1)(vi), 40 CFR 64.2(a)(3)]	The majority of vent streams come from the MON regulated units (MPP, G-125, G-245a). A small number of streams are from the ACLON Unit, which is not regulated by MON, but its pre-control emissions are less than those that would classify the source as major.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT0068	8-93 Emergency Diesel Generator # 1	LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Sources have the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3]
EQT0072	3-00 Emergency Diesel Generator # 2	LAC 33:III.Chapter 22 Control of Emissions of Nitrogen Oxides (NO _x)	DOES NOT APPLY. Diesel-fired stationary internal combustion engines are exempt from the requirements of this Chapter per LAC 33:III.2201.C.14.
		LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	EXEMPT. Sources burn diesel, a Group 1 virgin fossil fuel. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the provisions of LAC 33:III Chapter 51. [LAC 33:III.5105.B.3.a]
		40 CFR 63 Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY. Sources are existing compression ignition (CI) stationary reciprocating internal combustion engines (RICEs) and do not have to meet the requirements of this Subpart per 40 CFR 63.6590(b)(3).
		LAC 33:III.2103 Control of Emission of Organic Compounds: Storage of VOCs	DOES NOT APPLY. Tanks do not store a VOC. [LAC 33:III.2103.B]
EQT0069	9-93 Thermal Oxidizer Acid Tank, U-920A	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Sources do not emit a Class I or II TAP. MACT does not apply to these sources. [LAC 33:III.5109.A]
EQT0075	7-00 Thermal Oxidizer Acid Tank, U-920B		

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
(continued) EQT0069 EQT0075	9-93 Thermal Oxidizer Acid Tank, U-920A 7-00 Thermal Oxidizer Acid Tank, U-920B	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tanks do not store a VOL. [40 CFR 60.110b(a)]
		40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Tanks do not store an organic liquid as defined in 40 CFR 63.2406. [40 CFR 63.2334]
EQT0070 EQT0086	10-93 Sulfuric Acid Storage Tank, U-130 5-03 Sulfuric Acid Storage Tank, U-1612	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Sources do not emit a Class I or II TAP. MACT does not apply to these sources. [LAC 33:III.5109.A]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No. <i>(continued)</i>	Description	Requirement	Notes
EQT0070 EQT0086	10-93 Sulfuric Acid Storage Tank, U-130 5-03 Sulfuric Acid Storage Tank, U-1612 Organic Liquids Distribution (Non-Gasoline)	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): 40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Tanks do not store an organic liquid as defined in 40 CFR 63.2406. [40 CFR 63.2334] DOES NOT APPLY. Tanks store liquids with an organic HAP concentration of less than 5% by weight. DOES NOT APPLY. Tanks do not emit a HAP. [40 CFR 63.2435]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Sources do not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0071 EQT0077	1-95 HCl Fume Scrubber # 1 12-00 HCl Fume Scrubber # 2	LAC 33.III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Sources do not emit a Class I or Class II TAP. MACT does not apply to these sources. [LAC 33.III.5109.A]
		40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Sources do not control emissions of organic liquids as defined in 40 CFR 63.2406. [40 CFR 63.2334]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT0071 EQT0077	1-95 HCl Fume Scrubber # 1 12-00 HCl Fume Scrubber # 2 NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	40 CFR 63 Subpart FFFF 40 CFR 63 Subpart FFFF Source is regulated under another Subpart of Part 63. [40 CFR 63.2435(b)(3)]	DOES NOT APPLY. Source is subject to the provisions of 40 CFR 63 Subpart NNNNN.
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Emissions are subject to emissions limitations or standards proposed by the Administrator after November 15, 1990 pursuant to Section 111 or 112 of the Clean Air Act. [40 CFR 64.2(b)(1)(i)]
EQT0073 EQT0076	4-00 Steam Boiler # 2 11-00 Steam Boiler # 3 LAC 33:III:Chapter 15 Emission Standards for Sulfur Dioxide	LAC 33:III:Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Sources have the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Sources do not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0019 FUG0020	10-00 Lime Slaker Fugitives 27-00 Lime Sludge Unloading Fugitives	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT0078	13-00 TCE Storage Tank, U-101	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tank is a pressure vessel which operates at pressures in excess of 204.9 kPa (29.7 psi) and without emissions to the atmosphere. [40 CFR 60.110b(d)(2)]
		40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP); Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Storage tanks that are part of an affected source under another 40 CFR 63 NESHAP Subpart are not subject to the provisions of this Subpart. [40 CFR 63.2338(c)(1)]
			Tank is subject to 40 CFR 63 Subpart FFFF (MON).
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Emissions are subject to emissions limitations or standards proposed by the Administrator after November 15, 1990 pursuant to Section 111 or 112 of the Clean Air Act. [40 CFR 64.2(b)(1)(i)]
		LAC 33.III.2103 Control of Emission of Organic Compounds: Storage of VOCs	DOES NOT APPLY. Tank does not store a VOC. [LAC 33.III.2103.B]
EQT0079	14-00 PCE Storage Tank, U-100	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tank does not store a VOL. [40 CFR 60.110b(a)]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
(continued) EQT0079	14-00 PCE Storage Tank, U-100	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP); Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Storage tanks that are part of an affected source under another 40 CFR 63 NESHAP Subpart are not subject to the provisions of this Subpart. [40 CFR 63.2338(c)(1)] Tank is subject to 40 CFR 63 Subpart FFFF (MON).
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Emissions are subject to emissions limitations or standards proposed by the Administrator after November 15, 1990 pursuant to Section 111 or 112 of the Clean Air Act. [40 CFR 64.2(b)(1)(i)]
EQT0080 EQT0081	15-00 HF Solution/Spent Caustic Air 20-00 HF Solution/Spent Caustic Air Stripper Stripper	LAC 33:III.5109.A Comprehensive Toxic Air (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Sources do not emit a Class I or Class II TAP. MACT does not apply to these sources. [LAC 33:III.5109.A]
		40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tanks do not store a VOL. [40 CFR 60.110b(a)]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Sources do not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT0082	28-00 Laboratory Hoods	40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Quality assurance/quality control laboratories are not considered part of any process and are not considered part of the miscellaneous organic chemical manufacturing process as defined in 40 CFR 63.2550.
	40 CFR 64 Compliance Assurance Monitoring (CAM)		DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0083	10-02 Rainwater Collection Tank, U-1811	LAC 33.III.2103 Control of Emission of Organic Compounds: Storage of VOCs	DOES NOT APPLY. Tank stores a VOC with a maximum true vapor pressure of less than 1.5 psia at storage conditions. [LAC 33.III.2103.B]
	40 CFR 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tank volume is greater than 151 m ³ (39,890 gallons) with a maximum true vapor pressure of less than 3.5 kPa (0.51 psi) [40 CFR 60.110(b)]
	40 CFR 63 Subpart EEEE	National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Tank does not store an organic liquid as defined in 40 CFR 63.2406. [40 CFR 63.2334]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No: <i>(continued)</i> EQT0083	Description	Requirement	Notes
10-02 Rainwater Collection Tank, U-1811	40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON) 40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Tank does not store a wastewater as defined in 40 CFR 63.2550.	
11-02 Spent Sulfuric Acid Storage Tank, U-935	LAC 33.III.S109.A Comprehensive Toxic Air Pollutant (CTAP) Emission Control Program: Emission Control and Reduction Requirements and Standards 40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline) 40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON) 40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)] DOES NOT APPLY. Source does not emit a Class I or Class II TAP. MACT does not apply to this source. [LAC 33.III.5109.A] DOES NOT APPLY. Source does not store an organic liquid as defined in 40 CFR 63.2406. [40 CFR 63.2334] DOES NOT APPLY. Tank does not emit a HAP. [40 CFR 63.2435] DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]	

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ID No:	Description	Requirement	Notes
EQT0085	1-03 HFC-245fa/125 Plant Cooling Water System	40 CFR 63 Subpart Q NESHAP for Industrial Process Cooling Towers	DOES NOT APPLY. Cooling tower was not operated with chromium-based water treatment chemicals on or after September 8, 1994. [40 CFR 63.400(a)]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0021	3-03 Fugitives and Unloading Operations	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP); Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. No pumps, valves, or sampling connections are included in this emission activity. Unloading activities are regulated by the MON (40 CFR 63 Subpart FFFF). [40 CFR 63.2338]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Emissions are subject to emissions limitations or standards proposed by the Administrator after November 15, 1990 pursuant to Section 111 or 112 of the Clean Air Act. [40 CFR 64.2(b)(1)(i)]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT0123	1-08 Control Room Emergency Diesel Generator Engine	LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Source has the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3]
		LAC 33:III.Chapter 22 Control of Emissions of Nitrogen Oxides	EXEMPT. Diesel-fired stationary internal combustion engines located at an affected facility within the Baton Rouge Nonattainment Area or the Region of Influence are exempted from the requirements of this Chapter. [LAC 33:III.2201.C.14]
		LAC 33:III.Chapter 51 Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of LAC 33:III Chapter 51, Subchapter A. [LAC 33:III.5105.B.3.a]
			Source combusts diesel, a Group 1 virgin fossil fuel.
Multi-Products Plant (MPP 134a Mode)			
RLP0006	2-93 Catalyst Regeneration	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (CTAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Source does not emit a Class I or Class II TAP. MACT does not apply to this source. [LAC 33:III.5109.A]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
(continued) RLP0006	2-93 Catalyst Regeneration	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0087	5-93 Hot Salt Burner	LAC 33:III:Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Source has the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3]
		LAC 33:III:Chapter 22 Control of Emissions of Nitrogen Oxides (NO _x)	DOES NOT APPLY. Process heaters/furnaces in the Baton Rouge Nonattainment Area with a maximum rated capacity of less than 40 MMBtu/hr are exempt from the requirements of this Chapter per LAC 33:III.2201.C.1.
		LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	EXEMPT. Source burns natural gas, a Group 1 virgin fossil fuel. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the provisions of LAC 33:III.Chapter 51. [LAC 33:III.5105.B.3.a]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]

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ID No:	Description	Requirement	Notes
FUG0022	11-93 MPP Fugitive Emissions	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP); Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Fugitive emissions from potentially affected equipment components that are regulated by another 40 CFR 63 NESHAP program are not included as part of the affected source and are therefore, not subject to the requirements of this Subpart. [40 CFR 63.2338(c)(1) and (2)]
RLP0007	12-93 Adsorber Regen Stack	LAC 33:III.2115 Control of Emission of Organic Compounds: Waste Gas Disposal	EXEMPT. Waste gas streams having a combined weight of VOCs equal to or less than 100 pounds in any continuous 24-hour period are exempt from the requirements of this Section. [LAC 33:III.2115.H.1.c]
EQT0088	9-00 MPP Cooling Water System	40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON) 40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not emit a HAP. [40 CFR 63.2435] DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
		40 CFR 63 Subpart Q NESHAP for Industrial Process Cooling Towers	DOES NOT APPLY. Cooling tower was not operated with chromium-based water treatment chemicals on or after September 8, 1994. [40 CFR 63.400(a)]

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ID No:	Description	Requirement	Notes
(continued) EQT0088	9-00 MPP Cooling Water System	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
Multi-Products Plant (MPP 120 Mode)			
RLP0011	2-93 Reactor Regen Stack	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Source does not emit a Class I or Class II TAP. MACT does not apply to this source. [LAC 33:III.5109.A]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0095	5-93 Hot Salt Burner	LAC 33:III Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Source has the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3]
		LAC 33:III Chapter 22 Control of Emissions of Nitrogen Oxides (NO _x)	DOES NOT APPLY. Process heaters/furnaces in the Baton Rouge Nonattainment Area with a maximum rated capacity of less than 40 MMBtu/hr are exempt from the requirements of this Chapter per LAC 33:III.2201.C.1.

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ID No:	Description	Requirement	Notes
(continued) EQT0095	5-93 Hot Salt Burner	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant Program: (TAP) Emission Control and Reduction Requirements and Standards 40 CFR 64 Compliance Assurance Monitoring (CAM)	EXEMPT. Source burns natural gas, a Group 1 virgin fossil fuel. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the provisions of LAC 33:III.Chapter 51. [LAC 33:III.5105.B.3.a] DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0032	11-93 MPP Fugitive Emissions	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Fugitive emissions from potentially affected equipment components that are regulated by another 40 CFR 63 NESHAP program are not included as part of the affected source and are therefore, not subject to the requirements of this Subpart. [40 CFR 63.2338(c)(1) and (2)] Fugitive components are subject to the MON (40 CFR 63 Subpart FFFF).
EQT0088	9-00 MPP Cooling Water System	40 CFR 63 Subpart Q NESHAP for Industrial Process Cooling Towers	DOES NOT APPLY. Cooling tower was not operated with chromium-based water treatment chemicals on or after September 8, 1994. [40 CFR 63.400(a)]

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ID No: <i>(continued)</i>	Description	Requirement	Notes
EQT0088	9-00 MPP Cooling Water System	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0023	1-04 HF Recovery Fugitives	LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards 40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Source does not emit a Class I or Class II TAP. MACT does not apply to this source. [LAC 33:III.5109.A] DOES NOT APPLY. Fugitive emissions from potentially affected equipment components that are regulated by another 40 CFR 63 NESHAP program are not included as part of the affected source and are therefore, not subject to the requirements of this Subpart. [40 CFR 63.2338(c)(1) and (2)] Fugitive components are subject to the MON (40 CFR 63 Subpart FFFF).

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ID No:	Description	Requirement	Notes
ACLON Plant			
RLP0008	1-99 Fluoropolymer Fume Exhaust	LAC 33:III.2115 Control of Emission of Organic Compounds: Waste Gas Disposal	EXEMPT. Waste gas streams having a concentration of VOCs less than 0.044 psia true partial pressure (3,000 ppm) are exempt from the requirements of this Section. [LAC 33:III.2115.H.1.d]
		40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Source does not process, use, or produce an organic HAP, HCl, Cl ₂ , or HF. [40 CFR 63.2435]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
RLP0009	4-99 CTFE Maintenance Exhaust	LAC 33:III.2115 Control of Emission of Organic Compounds: Waste Gas Disposal	EXEMPT. Waste gas streams having a combined weight of VOCs equal to or less than 100 pounds in any continuous 24-hour period are exempt from the requirements of this Section. [LAC 33:III.2115.H.1.c]
		40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Source does not process, use, or produce an organic HAP, HCl, Cl ₂ , or HF. [40 CFR 63.2435]

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
(continued) RLP0009	4-99 CTFE Maintenance Exhaust	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0089	5-99 Process Cooling Tower	40 CFR 63 Subpart Q NESHAP for Industrial Process Cooling Towers	DOES NOT APPLY. Cooling tower was not operated with chromium-based water treatment chemicals on or after September 8, 1994. [40 CFR 63.400(a)]
		40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Source does not process, use, or produce an organic HAP, HCl, Cl ₂ , or HF. [40 CFR 63.2435]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0024	6-99 ACLON Plant Fugitives	40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. The ACLON Plant does not process, use, or produce an organic HAP, HCl, Cl ₂ , or HF. [40 CFR 63.2435]
EQT0090 EQT0091	18-00 Glycol Tank # 1 4-03 Glycol Tank # 2	LAC 33.III.2103 Control of Emission of Organic Compounds: Storage of VOCs	DOES NOT APPLY. Tanks store a VOC with a maximum true vapor pressure of less than 1.5 psia at storage conditions. [LAC 33.III.2103.A]

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ID No:	Description	Requirement	Notes
(continued) EQT0090 EQT0091	18-00 Glycol Tank # 1 4-03 Glycol Tank # 2	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tank volumes are less than 75 m ³ (19,813 gallons). [40 CFR 60.110(b)(a)]
		40 CFR 64 Compliance (CAM)	DOES NOT APPLY. Tanks do not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0025 FUG0026 FUG0027 FUG0028	25-00 ACLON Building Transfer Fugitives 26-00 ACLON Sludge Loading Fugitives 3-01 ACLON Neutralization Fugitives 4-01 Precoat Tank Fugitives	40 CFR 64 Compliance (CAM) Assurance Monitoring	DOES NOT APPLY. Sources do not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
HFC-245fa Plant			
RLP0010	1-00 Process Vent	40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Source does not emit a HAP. [40 CFR 63.2435]

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ID No:	Description	Requirement	Notes
(continued) RLP0010	1-00 Process Vent	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0092	22-00 G-2240 Storage Tank	LAC 33:III.2103 Control of Emission of Organic Compounds: Storage of VOCs	DOES NOT APPLY. Tank is a pressure tank capable of maintaining working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.A]
		40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	DOES NOT APPLY. Tank is a pressure vessel which operates at pressures in excess of 204.9 kPa (29.7 psi) and without emissions to the atmosphere. [40 CFR 60.110b(d)(2)]
		40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Tank does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
FUG0029	24-00 HFC-245fa Plant Fugitives	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. No components in this Plant are in organic liquid service as defined in 40 CFR 63.2406. [40 CFR 63.2334]

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ID No:	Description	Requirement	Notes
FUG0030	2-03 SbCl ₃ Fugitives	40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Solid transfer points are not considered part of the affected source and are therefore not subject to the provisions of this Subpart. [40 CFR 63.2435(b)]
	40 CFR 64 Compliance Assurance Monitoring (CAM)		DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
HFC-125 Plant			
EQT0093	5-00 Hot Salt System, X-1660	LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Source has the potential to emit less than five tons per year of sulfur dioxide into the atmosphere. [LAC 33:III.1502.A.3]
		LAC 33:III.Chapter 22 Control of Emissions of Nitrogen Oxides (NO _x)	DOES NOT APPLY. Process heaters/furnaces in the Baton Rouge Nonattainment Area with a maximum rated capacity of less than 40 MMBtu/hr are exempt from the requirements of this Chapter per LAC 33:III.2201.C.1.
		LAC 33:III.5109.A Comprehensive Toxic Air Pollutant (TAP) Emission Control Program: Emission Control and Reduction Requirements and Standards	EXEMPT. Source burns natural gas, a Group 1 virgin fossil fuel. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the provisions of LAC 33:III.Chapter 51. [LAC 33:III.5105.B.3.a]

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ID No:	Description	Requirement	Notes
(continued) EQT0093	5-00 Hot Salt System, X-1660	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]
EQT0094	8-00 Catalyst Regeneration	LAC 33:III.S109.A Comprehensive Toxic Air Pollutant Program: (TAP) Emission Control and Reduction Requirements and Standards	DOES NOT APPLY. Source does not emit a Class I or Class II TAP. MACT does not apply to this source. [LAC 33:III.5109.A]

40 CFR 63 Subpart FFFF NESHAP: Miscellaneous Organic Chemical Manufacturing (MON)	DOES NOT APPLY. Source does not meet the definition of a batch process vent as defined in 40 CFR 63.2550. [40 CFR 63.2460]
40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not have potential pre-control device emissions of a regulated pollutant equal to or greater than 100 percent of the amount, in tons per year (TPY), required for a source to be classified as a major source. [40 CFR 64.2(a)(3)]

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ID No:	Description	Requirement	Notes
FUG0031	21-00 HFC-125 Plant Fugitives	40 CFR 63 Subpart EEEE National Emission Standards for Hazardous Air Pollutants (NESHAP): Organic Liquids Distribution (Non-Gasoline)	DOES NOT APPLY. Fugitive emissions from potentially affected equipment components that are regulated by another 40 CFR 63 NESHAP program are not included as part of the affected source and are therefore, not subject to the requirements of this Subpart. [40 CFR 63.2338(c)(1) and (2)] Fugitive components are subject to the MON (40 CFR 63 Subpart FFFF).

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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XII. Equipment List		Notes
Description		
Multi-Products Plant, MPP 134a Mode		
U-223		Surge control vessel/bottoms receiver < 10,000 gallons.
U-300		Surge control vessel/bottoms receiver < 10,000 gallons.
U-301		Surge control vessel/bottoms receiver < 10,000 gallons.
U-305		Surge control vessel/bottoms receiver < 10,000 gallons.
U-310		Surge control vessel/bottoms receiver < 10,000 gallons.
U-315		Surge control vessel/bottoms receiver < 10,000 gallons.
Multi-Products Plant, MPP 120s Mode		
U-223		Surge control vessel/bottoms receiver < 10,000 gallons.
U-300		Surge control vessel/bottoms receiver < 10,000 gallons.
U-301		Surge control vessel/bottoms receiver < 10,000 gallons.
U-305		Surge control vessel/bottoms receiver < 10,000 gallons.
U-310		Surge control vessel/bottoms receiver < 10,000 gallons.
U-315		Surge control vessel/bottoms receiver < 10,000 gallons.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FLUOROCARBON PLANTS
AGENCY INTEREST NO.: 2082
HONEYWELL INTERNATIONAL INC. - GEISMAR PLANT
GEISMAR, ASCENSION PARISH, LOUISIANA

XII. Equipment List

Description	Notes
HFC-245fa Plant	
G-245fa HCl Absorber Vent	Absorber vent is recycled back to process.
U-1201	Surge control vessel/bottoms receiver < 10,000 gallons.
U-1223	Surge control vessel/bottoms receiver < 10,000 gallons.
U-1225	Surge control vessel/bottoms receiver < 10,000 gallons.
U-1300	Surge control vessel/bottoms receiver < 10,000 gallons.
U-1310	Surge control vessel/bottoms receiver < 10,000 gallons.
U-1315	Surge control vessel/bottoms receiver < 10,000 gallons.
U-1900	Surge control vessel/bottoms receiver < 10,000 gallons.
U-2236	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6100	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6101	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6110	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6111	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6112	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6114	Surge control vessel/bottoms receiver < 10,000 gallons.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FLUOROCARBON PLANTS
AGENCY INTEREST NO.: 2082
HONEYWELL INTERNATIONAL INC.– GEISMAR PLANT
GEISMAR, ASCENSION PARISH, LOUISIANA

XII. Equipment List

Description	Notes
U-6116	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6204	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6205	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6210	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6215	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6230	Group 2 surge control vessel/bottom receiver.
U-6240	Surge control vessel/bottoms receiver < 10,000 gallons.
U-6242	Surge control vessel/bottoms receiver < 10,000 gallons.
HFC-125 Plant	
G-125 HCl Absorber	Absorber vent is recycled back to process.
U-223	Surge control vessel/bottoms receiver < 10,000 gallons.
U-300	Surge control vessel/bottoms receiver < 10,000 gallons.
U-301	Surge control vessel/bottoms receiver < 10,000 gallons.
U-305	Surge control vessel/bottoms receiver < 10,000 gallons.
U-310	Surge control vessel/bottoms receiver < 10,000 gallons.
U-315	Surge control vessel/bottoms receiver < 10,000 gallons.

STATE-ONLY SPECIFIC CONDITIONS

FLUOROCARBON PLANTS

AGENCY INTEREST NO.: 2082

HONEYWELL INTERNATIONAL, INC. - GEISMAR PLANT
GEISMAR, ASCENSION PARISH, LOUISIANA

1. Permittee shall comply with the sensory monitoring leak detection program for all components in hydrogen fluoride (HF) services. "in hydrogen fluoride service" means those components that are in service for 300 hours or more per year and contact a stream containing hydrogen fluoride at a weight percent equal to or greater than 5 percent. The point sources to which this specific condition applies are EIQ No. 11-93 (MPP 134a and 120 Modes), EIQ No. 1-04 (MPP 120 Mode), EIQ No. 21-00 (HFC-125 Plant), and EIQ No. 24-00 (HFC-245fa Plant). Compliance with this sensory monitoring program in accordance with this specific condition shall serve to comply with the emission limits of this permit. Noncompliance with the sensory monitoring program in accordance with this specific condition may subject the permittee to enforcement action for the fugitive emissions limits.
 - A. Permittee shall implement a sensory monitoring leak detection program for all components in hydrogen fluoride service. Permittee shall conduct semiannual component inspections for fugitive emissions. The semiannual inspection shall be supplemented by sensory observations by operations personnel during routine operational activities. Leaks shall be identified by visual evidence of corrosion products on piping components, by visible clouds, drips, or smell. When a leak is detected, repair must begin within 48 hours and be completed as soon as practical. If repair cannot be effected after reasonable effort, the component must be repaired no later than the next shutdown. Permittee shall submit semiannual reports of number of components monitored, number of leaks detected, and number of leaks repaired.
 - B. The facility shall check by visual inspection each pump in HF service each calendar week for indications of liquids dripping or weeping from the pump seal. When a leak or weeping is detected, a first attempt at repair shall be made no later than two calendar days after each incident.
 - C. The facility shall monitor closed vent systems and control devices in HF service. Conduct periodic inspections to detect leaks. When a leak is detected, a first attempt at repair shall be made no longer than two calendar days and be completed as soon as possible after each incident.
 - D. Sampling connection systems in HF service shall be equipped with a closed purge or closed vent system.
 - E. Semiannual reports shall be submitted on March 31 and September 30, to cover the periods July 1 through December 31, and January 1 to June 30, respectively.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

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1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

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- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

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2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December

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4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does

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not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated March 4, 2008, along with supplemental information dated July 28, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT
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- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

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- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

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- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance

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of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES
AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Fluorocarbon Plants						
EQT0065	1-93 - Lime Silo			5400 ft^3/hr		526 hr/yr (All Year)
EQT0067	6-93 - Thermal Oxidizer #1					8760 hr/yr (All Year)
EQT0068	8-93 - Emergency Diesel Generator #1					500 hr/yr (All Year)
EQT0069	9-93 - Thermal Oxidizer Acid Tank, U-920A	15869 gallons	43 MM gallons/yr	43 MM gallons/yr		8760 hr/yr (All Year)
EQT0070	10-93 - Sulfuric Acid Storage Tank, U-130	8482 gallons		460000.1 gallons/yr		8760 hr/yr (All Year)
EQT0071	1-95 - HCl Fume Scrubber #1					8760 hr/yr (All Year)
EQT0072	3-00 - Emergency Diesel Generator #2					500 hr/yr (All Year)
EQT0073	4-00 - Steam Boiler #2			91900 ft^3/hr		8760 hr/yr (All Year)
EQT0074	6-00 - Thermal Oxidizer #2					8760 hr/yr (All Year)
EQT0075	7-00 - Thermal Oxidizer Acid Tank, U-920B	150000 gallons	43 MM gallons/yr	43 MM gallons/yr		8760 hr/yr (All Year)
EQT0076	11-00 - Steam Boiler #3			91900 ft^3/hr		8760 hr/yr (All Year)
EQT0077	12-00 - HCl Fume Scrubber #2					8760 hr/yr (All Year)
EQT0078	13-00 - TCE Tank, U-101	100000 gallons		3.53 MM gallons/yr		8760 hr/yr (All Year)
EQT0079	14-00 - PCE Tank, U-100	100000 gallons		9.63 MM gallons/yr		8760 hr/yr (All Year)
EQT0080	15-00 - HF Solution/Spent Caustic Air Stripper					750 hr/yr (All Year)
EQT0081	20-00 - HF Solution/Spent Caustic Air Stripper					750 hr/yr (All Year)
EQT0082	28-00 - Laboratory Hoods					8760 hr/yr (All Year)
EQT0083	10-02 - Rainwater Collection Tank, U-1811	533036 gallons	48 MM gallons/yr	48 MM gallons/yr		8760 hr/yr (All Year)
EQT0084	11-02 - Spent Sulfuric Acid Tank, U-935	8482 gallons		460000.1 gallons/yr		8760 hr/yr (All Year)
EQT0085	1-03 - HFC-245fa/125 Plants Cooling Water System			220000 gallons/min		8760 hr/yr (All Year)
EQT0086	5-03 - Sulfuric Acid Storage Tank, U-1612	110 gallons		3500 gallons/yr,		8760 hr/yr (All Year)
EQT0087	5-93 - Hot Salt Burner (MPP 134a Mode)			10500 ft^3/hr		8760 hr/yr (All Year)
EQT0088	9-00 - MPP Cooling Water System (MPP 134a Mode)			17000 gallons/min		8760 hr/yr (All Year)
EQT0089	5-99 - Process Cooling Tower			2000 gallons/min		8760 hr/yr (All Year)
EQT0090	18-00 - Glycol Tank #1	8750 gallons		8760 gallons/yr		8760 hr/yr (All Year)
EQT0091	4-03 - Glycol Tank #2			8760 gallons/yr		8760 hr/yr (All Year)
EQT0092	22-00 - G-240 Storage Tank #1	105000 gallons		5.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0093	5-00 - Hot Salt System, X-1660		23.5 MM BTU/hr	23000 scf/hr		8760 hr/yr (All Year)
EQT0094	8-00 - Catalyst Regeneration Scrubber			20300 ft^3/hr		2496 hr/yr (All Year)
EQT0095	5-93 - Hot Salt Burner (MPP 120 Mode)			17000 gallons/min		8760 hr/yr (All Year)
EQT0096	9-00 - MPP Cooling Water System (MPP 120 Mode)					8760 hr/yr (All Year)
EQT0097	-- MPP No. 5 Column Overhead					8760 hr/yr (All Year)
EQT0098	-- MPP No. 7 Column Bottoms					8760 hr/yr (All Year)
EQT0099	-- MPP Overhead from Tails Tower					8760 hr/yr (All Year)
EQT0100	-- ACLON Reactor Vent					8760 hr/yr (All Year)
EQT0101	-- G-245fa Plant Tails Tower Vent					8760 hr/yr (All Year)
EQT0102	-- G-245fa Plant H2SO4 Column Vent					8760 hr/yr (All Year)
EQT0103	-- G-245fa Plant Lites Column Vent					8760 hr/yr (All Year)
EQT0104	-- G-125 Plant No. 5 Column Overhead					8760 hr/yr (All Year)
EQT0105	-- G-125 Plant No. 8 Column Bottoms					8760 hr/yr (All Year)

INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex
 Activity Number: PER2008001
 Permit Number: 0180-00003-V2
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Fluorocarbon Plants						
EQT0106	-- G-125 Plant No. 4 Column Overhead					8760 hr/yr (All Year)
EQT0107	-- Tank U-460A					8760 hr/yr (All Year)
EQT0108	-- Tank U-460B					8760 hr/yr (All Year)
EQT0109	-- Tank U-460C					8760 hr/yr (All Year)
EQT0110	-- Tank U-1460A					8760 hr/yr (All Year)
EQT0111	-- Tank U-1460B					8760 hr/yr (All Year)
EQT0112	-- Tank U-6460A					8760 hr/yr (All Year)
EQT0113	-- Tank U-6460B					8760 hr/yr (All Year)
EQT0114	-- Railcar Loading Arms					8760 hr/yr (All Year)
EQT0115	-- Truck Loading Arm					8760 hr/yr (All Year)
EQT0116	-- Tank U-940A					(None Specified)
EQT0117	-- Tank U-940B					(None Specified)
EQT0118	-- Tank U-940C					(None Specified)
EQT0119	-- Tank U-940D					(None Specified)
EQT0120	-- MPP HCl Absorber					8760 hr/yr (All Year)
EQT0121	-- No. 4 Column Overhead Vent					8760 hr/yr (All Year)
EQT0122	-- G-245ta C12 Column Vent					8760 hr/yr (All Year)
EQT0123	1-08 - Control Room Emergency Diesel Generator Engine					500 hr/yr (All Year)
FUG0019	10-00 - Lime Slaker Fugitives	364 horsepower	320 horsepower			8760 hr/yr (All Year)
FUG0020	27-00 - Lime Sludge Loading Fugitives		13136 tons/yr			8760 hr/yr (All Year)
FUG0021	3-03 - Fugitives and Unloading Operations		12000 tons/yr			8760 hr/yr (All Year)
FUG0022	11-93 - MPP Fugitive Emissions (MPP 134a Mode)					8760 hr/yr (All Year)
FUG0023	1-04 - HF Recovery Fugitives (MPP 120 Mode)					8760 hr/yr (All Year)
FUG0024	6-99 - ACION Plant Fugitive Emissions					8760 hr/yr (All Year)
FUG0025	25-00 - ACION Building Transfer Fugitives					8760 hr/yr (All Year)
FUG0026	26-00 - ACION Sludge Loading Fugitives		500 tons/yr			8760 hr/yr (All Year)
FUG0027	3-01 - ACION Neutralization Fugitives		400 lb/day			8760 hr/yr (All Year)
FUG0028	4-01 - Precoat Tank Fugitives		7500 lb/yr			8760 hr/yr (All Year)
FUG0029	24-00 - HCFC-245fa Plant Fugitives					8760 hr/yr (All Year)
FUG0030	2-03 - SbO3 Fugitives		60000 lb/yr			8760 hr/yr (All Year)
FUG0031	21-00 - HCFC-125 Plant Fugitives					8760 hr/yr (All Year)
FUG0032	11-93 - MPP Fugitive Emissions (MPP 120 Mode)					8760 hr/yr (All Year)
RLP0006	2-93 - Reactor Regen Stack (MPP 134a Mode)					(None Specified)
RLP0007	12-93 - HCFC Absorber Regen Stack (MPP 134a Mode)					8760 hr/yr (All Year)
RLP0008	1-99 - Fluoropolymer Fume Exhaust					2496 hr/yr (All Year)
RLP0009	4-99 - CTFE Equipment Maintenance Vent					2496 hr/yr (All Year)
RLP0010	1-00 - Process Stack					2496 hr/yr (All Year)
RLP0011	2-93 - Reactor Regen Stack (MPP 120 Mode)					2496 hr/yr (All Year)

INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex
 Activity Number: PER20080001
 Permit Number: 0180-00003-V2
 Air - Title V Regular Permit Major Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Fluorocarbon Plants							
EQT0065	1-93 - Lime Silo	1.6	750	.801	.65		
EQT0067	6-93 - Thermal Oxidizer #1	24	1127	1	.67	67	102
EQT0068	8-93 - Emergency Diesel Generator #1					12	375
EQT0069	9-93 - Thermal Oxidizer Acid Tank, U-920A			.33		34	105
EQT0070	10-93 - Sulfuric Acid Storage Tank, U-130			.25		10	
EQT0071	1-95 - HCl Fume Scrubber #1	.3	15	.83		13	
EQT0074	6-00 - Thermal Oxidizer #2	24	1127	1	.33	50	102
EQT0075	7-00 - Thermal Oxidizer Acid Tank, U-920B			.33		32	105
EQT0077	12-00 - HCl Fume Scrubber #2	.3	15	.83		13	
EQT0080	15-00 - HF Solution/Spent Caustic Air Stripper	.4	20.1	1		60	
EQT0081	20-00 - HF Solution/Spent Caustic Air Stripper	.8	.07	.33		50	
EQT0082	28-00 - Laboratory Hoods			.67		25	
EQT0083	10-02 - Rainwater Collection Tank, U-1811			.5		30	
EQT0084	11-02 - Spent Sulfuric Acid Tank, U-935			.33		16	
EQT0085	1-03 - HFC-245fa/125 Plant's Cooling Water System			.25		90	
EQT0086	5-03 - Sulfuric Acid Storage Tank, U-1612			.25		5	
EQT0087	5-93 - Hot Salt Burner (MPP 134a Mode)	9.9	4700	3.17		141	900
EQT0088	9-00 - MPP Cooling Water System (MPP 134a Mode)	29.2	860000	25		40	90
EQT0090	18-00 - Glycol Tank #1			.33		12	
EQT0091	4-03 - Glycol Tank #2			.33		10	
EQT0093	5-00 - Hot Salt System, X-1660	9.9	4700	3.17		141	900
EQT0094	8-00 - Catalyst Regeneration Scrubber	170	2000	.5		70	
EQT0095	5-93 - Hot Salt Burner (MPP 120 Mode)	9.9	4700	3.17		141	900
EQT0096	9-00 - MPP Cooling Water System (MPP 120 Mode)	29.2	860000	25		40	90
EQT0123	1-08 - Control Room Emergency Diesel Generator Engine	82	967	.5		12	812
FUG0019	10-00 - Lime Slaker Fugitives					10	
FUG0020	27-00 - Lime Sludge Loading Fugitives					15	
FUG0022	11-93 - MPP Fugitive Emissions (MPP 134a Mode)					15	
FUG0023	1-04 - HF Recovery Fugitives (MPP 120 Mode)					15	
FUG0024	6-99 - ACLON Plant Fugitive Emissions					15	
FUG0025	25-00 - ACLON Building Transfer Fugitives					8	
FUG0026	26-00 - ACLON Sludge Loading Fugitives					15	
FUG0027	3-01 - ACLON Neutralization Fugitives					10	
FUG0029	24-00 - HFC-245fa Plant Fugitives					15	

INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex
 Activity Number: PER2008001
 Permit Number: 0180-00003-V2
 Air - Title V Regular Permit Major Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (OF)
Fluorocarbon Plants							
FUG0031	21-00 - HFC-125 Plant Fugitives					15	
FUG0032	11-93 - MPP Fugitive Emissions (MPP 120 Mode)					15	
RLP0006	2-93 - Reactor Regen Stack (MPP 134a Mode)	170	2000	.5		70	
RLP0007	12-93 - HCFC Absorber Regen Stack (MPP 134a Mode)	170	2000	.5		150	
RLP0008	1-99 - Fluoropolymer Fume Exhaust	46.5	36000	4		99	80
RLP0009	4-99 - CTFE Equipment Maintenance Vent	42.4	2000	1		40	80
RLP0010	1-00 - Process Stack	23.8		.5		130	
RLP0011	2-93 - Reactor Regen Stack (MPP 120 Mode)	170	2000	.5		70	

Relationships:

ID	Description	Relationship	ID	Description
EQT0097	MPP No. 5 Column Overhead	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0097	MPP No. 5 Column Overhead	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0098	MPP No. 7 Column Bottoms	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0098	MPP No. 7 Column Bottoms	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0099	MPP Overhead from Tails Tower	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0099	MPP Overhead from Tails Tower	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0100	ACLON Reactor Vent	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0100	ACLON Reactor Vent	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0101	G-245fa Plant Tails Tower Vent	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0101	G-245fa Plant Tails Tower Vent	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0102	G-245fa Plant H2SO4 Column Vent	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0102	G-245fa Plant H2SO4 Column Vent	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0103	G-245fa Plant Lites Column Vent	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0103	G-245fa Plant Lites Column Vent	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0104	G-125 Plant No. 5 Column Overhead	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0104	G-125 Plant No. 5 Column Overhead	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0105	G-125 Plant No. 8 Column Bottoms	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0105	G-125 Plant No. 8 Column Bottoms	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0106	G-125 Plant No. 4 Column Overhead	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0106	G-125 Plant No. 4 Column Overhead	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0107	Tank U-460A	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0107	Tank U-460A	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0108	Tank U-460B	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0108	Tank U-460B	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0109	Tank U-460C	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1

INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex
 Activity Number: PER20080001
 Permit Number: 0180-00003-V2
 Air - Title V Regular Permit Major Mod

Relationships:

ID	Description	Relationship	ID	Description
EQT0109	Tank U-460C	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0110	Tank U-1460A	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0110	Tank U-1460A	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0111	Tank U-1460B	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0111	Tank U-1460B	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0112	Tank U-6460A	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0112	Tank U-6460A	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0113	Tank U-6460B	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0113	Tank U-6460B	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0114	Railcar Loading Arms	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0114	Railcar Loading Arms	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0115	Truck Loading Arm	Controlled by	EQT0071	1-95 HCl Fume Scrubber #1
EQT0115	Truck Loading Arm	Controlled by	EQT0077	12-00 HCl Fume Scrubber #2
EQT0116	Tank U-940A	Controlled by	EQT0080	15-00 HF Solution/Spent Caustic Air Stripper
EQT0117	Tank U-940B	Controlled by	EQT0080	15-00 HF Solution/Spent Caustic Air Stripper
EQT0118	Tank U-940C	Controlled by	EQT0081	20-00 HF Solution/Spent Caustic Air Stripper
EQT0119	Tank U-940D	Controlled by	EQT0081	20-00 HF Solution/Spent Caustic Air Stripper
EQT0120	MPP HCl Absorber	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0120	MPP HCl Absorber	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0121	No. 4 Column Overhead Vent	Controlled by	EQT0067	6-93 Thermal Oxidizer #1
EQT0121	No. 4 Column Overhead Vent	Controlled by	EQT0074	6-00 Thermal Oxidizer #2
EQT0122	G-245fa Cl2 Column Vent	Controlled by, after routed through slurry scrubber	EQT0067	6-93 Thermal Oxidizer #1
EQT0122	G-245fa Cl2 Column Vent	Controlled by, after routed through slurry scrubber	EQT0074	6-00 Thermal Oxidizer #2

Subject Item Groups:

ID	Group Type	Group Description
GRP0001	Equipment Group	-- General Plant
GRP0003	Equipment Group	-- ACLON Plant
GRP0004	Equipment Group	-- HFC-245fa Plant
GRP0024	Equipment Group	-- HFC-125 Plant
GRP0025	Equipment Group	6-03 - Thermal Oxidizer Cap
GRP0026	Equipment Group	7-03 - HCl Fume Scrubber Cap
GRP0029	Scenario	-- Multi Products Plant, MPP 134a Mode
GRP0030	Scenario	-- Multi Products Plant, MPP 120 Mode
UNF0001	Unit or Facility Wide	- Fluorocarbon Plants

AIR INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex
 Activity Number: PER20080001
 Permit Number: 0180-00003.V2
 Air - Title V Regular Permit Major Mod

Group Membership:

D	Description	Member of Groups
EQT0055	1-93 - Lime Silo	GRP0000000001
EQT0067	6-93 - Thermal Oxidizer #1	GRP0000000001, GRP0000000025
EQT0068	8-93 - Emergency Diesel Generator #1	GRP0000000001
EOT0069	9-93 - Thermal Oxidizer Acid Tank, U-920A	GRP0000000001
EOT0070	10-93 - Sulfuric Acid Storage Tank, U-130	GRP0000000001
EOT0071	1-95 - HCl Fume Scrubber #1	GRP0000000001, GRP0000000026
EOT0072	3-00 - Emergency Diesel Generator #2	GRP0000000001
EOT0073	4-00 - Steam Boiler #2	GRP0000000001
EOT0074	6-00 - Thermal Oxidizer #2	GRP0000000001, GRP0000000025
EOT0075	7-00 - Thermal Oxidizer Acid Tank, U-920B	GRP0000000001
EOT0076	11-00 - Steam Boiler #3	GRP0000000001
EOT0077	12-00 - HCl Fume Scrubber #2	GRP0000000001, GRP0000000026
EOT0078	13-00 - TCE Tank, U-101	GRP0000000001
EOT0079	14-00 - PCE Tank, U-100	GRP0000000001
EOT0080	15-00 - HF Solution/Spent Caustic Air Stripper	GRP0000000001
EOT0081	20-00 - HF Solution/Spent Caustic Air Stripper	GRP0000000001
EOT0082	28-00 - Laboratory Hoods	GRP0000000001
EOT0083	10-02 - Rainwater Collection Tank, U-1811	GRP0000000001
EOT0084	11-02 - Spent Sulfuric Acid Tank, U-935	GRP0000000001
EOT0085	1-03 - HF-C-245a/125 Plants Cooling Water System	GRP0000000001
EOT0086	5-03 - Sulfuric Acid Storage Tank, U-1612	GRP0000000001
EOT0087	5-93 - Hot Salt Burner (MPP 134a Mode)	GRP0000000029
EOT0088	9-00 MPP Cooling Water System (MPP 134a Mode)	GRP0000000029
EOT0089	5-99 - Process Cooling Tower	GRP0000000003
EOT0090	18-00 - Glycol Tank #1	GRP0000000003
EOT0091	4-03 - Glycol Tank #2	GRP0000000003
EOT0092	22-00 - G-240 Storage Tank #1	GRP0000000004
EOT0093	5-00 - Hot Salt System, X-1660	GRP0000000024
EOT0094	8-00 - Catalyst Regeneration Scrubber	GRP0000000024
EOT0095	5-93 - Hot Salt Burner (MPP 120 Mode)	GRP0000000030
EOT0096	9-00 MPP Cooling Water System (MPP 120 Mode)	GRP0000000030
EOT0097	- MPP No. 5 Column Overhead	GRP0000000029, GRP0000000030
EOT0098	- MPP No. 7 Column Bottoms	GRP0000000029, GRP0000000030
EOT0099	-- MPP Overhead from Tails Tower	GRP0000000029
EOT0100	-- ACLON Reactor Vent	GRP0000000003
EOT0101	-- G-245fa Plant Tails Tower Vent	GRP0000000004
EOT0102	-- G-245fa Plant H2SO4 Column Vent	GRP0000000004
EOT0103	-- G-245fa Plant Lites Column Vent	GRP0000000004
EOT0104	-- G-125 Plant No. 5 Column Overhead	GRP0000000024
EOT0105	-- G-125 Plant No. 8 Column Bottoms	GRP0000000024
EOT0106	-- G-125 Plant No. 4 Column Overhead	GRP0000000024
EOT0107	-- Tank U-460A	GRP0000000001
EOT0108	-- Tank U-460B	GRP0000000001

INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex
 Activity Number: PER20080001
 Permit Number: 0180-00003-V2
 Air - Title V Regular Permit Major Mod

Group Membership:

Group Membership:	ID	Description	Member of Groups
	EQT0109	-- Tank U-460C	GRP0000000001
	EQT0110	-- Tank U-1460A	GRP0000000001
	EQT0111	-- Tank U-1460B	GRP0000000001
	EQT0112	-- Tank U-6460A	GRP0000000001
	EQT0113	-- Tank U-6460B	GRP0000000001
	EQT0114	-- Railcar Loading Arms	GRP0000000001
	EQT0115	-- Truck Loading Arm	GRP0000000001
	EQT0116	-- Tank U-940A	GRP0000000001
	EQT0117	-- Tank U-940B	GRP0000000001
	EQT0118	-- Tank U-940C	GRP0000000001
	EQT0119	-- Tank U-940D	GRP0000000001
	EQT0120	-- MPP HCl Absorber	GRP0000000029, GRP0000000030
	EQT0121	-- No. 4 Column Overhead Vent	GRP0000000030
	EQT0122	-- G-245fa C12 Column Vent	GRP0000000004
	EQT0123	-1-08 - Control Room Emergency Diesel Generator Engine	GRP0000000001
	FUG0019	10-00 - Lime Slaker Fugitives	GRP0000000001
	FUG0020	27-00 - Lime Sludge Loading Fugitives	GRP0000000001
	FUG0021	3-03 - Fugitives and Unloading Operations	GRP0000000001
	FUG0022	11-93 - MPP Fugitive Emissions (MPP 134a Mode)	GRP0000000029
	FUG0023	1-04 - HF Recovery Fugitives (MPP 120 Mode)	GRP0000000030
	FUG0024	6-99 - ACLON Plant Fugitive Emissions	GRP0000000003
	FUG0025	25-00 - ACLON Building Transfer Fugitives	GRP0000000003
	FUG0026	26-00 - ACLON Sludge Loading Fugitives	GRP0000000003
	FUG0027	3-01 - ACLON Neutralization Fugitives	GRP0000000003
	FUG0028	4-01 - Precoat Tank Fugitives	GRP0000000003
	FUG0029	24-00 - HFC-245fa Plant Fugitives	GRP0000000004
	FUG0030	2-03 - SBCI3 Fugitives	GRP0000000004
	FUG0031	21-00 - HFC-125 Plant Fugitives	GRP0000000024
	FUG0032	11-93 - MPP Fugitive Emissions (MPP 120 Mode)	GRP0000000030
	GRP0025	6-03 - Thermal Oxidizer Cap	GRP0000000001
	RLP0006	2-93 - Reactor Regen Stack (MPP 134a Mode)	GRP0000000029
	RLP0007	12-93 - HCFC Absorber Regen Stack (MPP 134a Mode)	GRP0000000029
	RLP0008	1-99 - Fluoropolymer Fume Exhaust	GRP0000000003
	RLP0009	4-99 - CTFE Equipment Maintenance Vent	GRP0000000003
	RLP0010	1-00 - Process Stack	GRP0000000004
	RLP0011	2-93 - Reactor Regen Stack (MPP 120 Mode)	GRP0000000030

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multipier	Units Of Measure
0620	Halogenated Hydrocarbons (Rated Capacity)	145	MM Lb/Yr

INVENTORIES

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER2008001

Permit Number: 0180-00003-V2

AIr - Title V Regular Permit Major Mod

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SIC Codes:

2819	Industrial inorganic chemicals, nec	AI2082
2889	Industrial organic chemicals, nec	AI2082

TPOR0149

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER2008001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC			
	Avg lb/hr	Max lb/hr	Tons/Year													
Fluorocarbon Plants																
EQT 0065 1-83							0.13	0.13	0.03							
EQT 0067 6-83	0.66			0.94			0.06			0.06			0.58			
EQT 0068 8-83	5.53	5.53	1.38	24.12	24.12	6.03	0.70	0.70	0.18	2.44	2.44	0.61	0.64	0.64	0.16	
EQT 0072 3-80	10.73	10.73	2.68	46.80	46.80	11.70	1.37	1.37	0.34	4.73	4.73	1.18	1.25	1.25	0.31	
EQT 0073 4-80	7.72	7.72	33.82	4.60	4.60	20.13	0.70	0.70	3.06	0.06	0.06	0.24	0.51	0.51	2.21	
EQT 0074 6-80		0.66			0.94				0.06			0.06		0.58		
EQT 0076 11-80	7.72	7.72	33.82	4.60	4.60	20.13	0.70	0.70	3.06	0.06	0.06	0.24	0.51	0.51	2.21	
EQT 0083 10-82													<0.01	<0.01	<0.01	
EQT 0085 1-83							4.36	4.36	19.10				<0.01	<0.01	0.04	
EQT 0087 5-83	1.70	1.70	7.45	1.01	1.01	4.44	0.15	0.15	0.67	0.01	0.01	0.05	0.11	0.11	0.49	
EQT 0088 9-80							2.27	2.27	9.95				0.03	0.03	0.11	
EQT 0089 5-89							0.40	0.40	1.74							
EQT 0090 18-80													<0.01	0.02	<0.01	
EQT 0091 4-83													<0.01	0.02	<0.01	
EQT 0093 5-80	1.94	1.94	8.48	1.15	1.15	5.05	0.18	0.18	0.77	0.01	0.01	0.06	0.13	0.13	0.56	
EQT 0094 8-80	1.03	4.12	0.99													
EQT 0095 5-83	1.70	1.70	7.45	1.01	1.01	4.44	0.15	0.15	0.67	0.01	0.01	0.05	0.11	0.11	0.49	
EQT 0096 9-80									2.27	2.27	9.95			<0.01	<0.01	0.01
EQT 0123 1-88	0.83	0.85	0.21	1.98	2.17	0.49	0.04	0.04	0.66	0.75	0.16	0.05	0.05	0.05	0.01	
FUG 0019 16-80									0.16	0.19	0.72					
FUG 0020 27-80									0.30	0.35	1.32					
FUG 0022 11-83	0.19	0.19	0.85									2.46	2.59	10.78		
FUG 0023 1-84												0.05	0.05	0.05	0.20	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-000003-V2

Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Fluorocarbon Plants															
FUG 0024 6.99															
FUG 0025 25.00					0.57	0.65	2.48						0.95	0.95	4.17
FUG 0026 26.00					0.01	0.01	0.06								
FUG 0027 3.01					0.02	1.65	0.08								
FUG 0028 4.01					<0.01	1.65	<0.01								
FUG 0029 24.00													1.90	8.62	8.33
FUG 0030 2.03					0.01	1.65	0.03						1.85	1.85	8.11
FUG 0031 21.00															
FUG 0032 11.93	<0.01	<0.01	0.03										1.72	1.83	7.52
GRP 0025 6.03	1.12	4.89	1.60	7.01	0.10	0.44	0.10	0.45	0.56						2.30
RLP 0006 2.93	1.03	4.13	0.99												
RLP 0007 12.93													0.28	0.28	0.46
RLP 0008 1.99													2.53	2.53	11.09
RLP 0009 4.99													127.89	127.89	6.66
RLP 0011 2.93	1.03	4.13	0.99												

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

EQT 0067	PM10	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03. GRP025
EQT 0067	SO2	Max lb/hr	Which Months: All Year This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No 6-03. GRP025
EQT 0067	NOx	Max lb/hr	Which Months: All Year This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No 6-03. GRP025
EQT 0067	CO	Max lb/hr	Which Months: All Year This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03. GRP025
EQT 0067	-VOC	Max lb/hr	Which Months: All Year This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03. GRP025
EQT 0074	PM10	Max lb/hr	Which Months: All Year This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03. GRP025

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER2008001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

EQT 0074	SO2	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03, GRP025	Which Months: All Year
EQT 0074	NOx	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03, GRP025	Which Months: All Year
EQT 0074	CO	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03, GRP025	Which Months: All Year
EQT 0074	VOC	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap. Source ID No. 6-03, GRP025	Which Months: All Year
GRP 0025	PM10	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	PM10	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	SO2	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	SO2	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	NOx	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	NOx	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	CO	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	CO	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	VOC	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year
GRP 0025	VOC	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0067 6-93	Chlorine		< 0.01	
	Formaldehyde		< 0.01	
	Hydrochloric acid		0.74	
	Ozone Depleting Substances		0.40	
	Sulfuric acid		< 0.01	
EQT 0068 8-93	Formaldehyde	< 0.01	< 0.01	< 0.01
EQT 0069 9-93	Hydrochloric acid	< 0.01	< 0.01	< 0.01
EQT 0070 10-93	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0071 1-95	Hydrochloric acid		17.25	
EQT 0072 3-00	Formaldehyde	< 0.01	< 0.01	< 0.01
EQT 0073 4-00	Formaldehyde	< 0.01	< 0.01	0.03
EQT 0074 6-00	Chlorine		< 0.01	
	Formaldehyde		< 0.01	
	Hydrochloric acid		0.74	
	Ozone Depleting Substances		0.40	
	Sulfuric acid		< 0.01	
EQT 0075 7-00	Hydrochloric acid	< 0.01	< 0.01	< 0.01
EQT 0076 11-00	Formaldehyde	< 0.01	< 0.01	0.03
EQT 0077 12-00	Hydrochloric acid		17.25	
EQT 0080 15-00	Hydrochloric acid	0.14	0.15	0.05
	Ozone Depleting Substances	0.01	0.01	< 0.01
EQT 0081 20-00	Hydrochloric acid	0.31	0.34	0.11
	Ozone Depleting Substances	0.02	0.02	< 0.01
EQT 0082 28-00	Dichloromethane	0.40	0.46	1.76
	Hydrochloric acid	< 0.01	< 0.01	< 0.01
	Ozone Depleting Substances	0.26	0.28	1.08
	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0083 10-02	Tetrachloroethylene	< 0.01	< 0.01	< 0.01
	Trichloroethylene	< 0.01	< 0.01	< 0.01
EQT 0084 11-02	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0085 1-03	Chlorine	0.03	0.03	0.13
	Ozone Depleting Substances	0.04	0.04	0.19
	Tetrachloroethylene	< 0.01	< 0.01	< 0.01
EQT 0086 5-03	Sulfuric acid	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0087 5-93	Formaldehyde	< 0.01	< 0.01	< 0.01
EQT 0088 9-00	Chlorine	0.03	0.03	0.13
	Ozone Depleting Substances	0.39	0.39	1.71
	Trichloroethylene	< 0.01	< 0.01	< 0.01
EQT 0093 5-00	Formaldehyde	< 0.01	< 0.01	< 0.01
EQT 0095 5-93	Formaldehyde	< 0.01	< 0.01	< 0.01
EQT 0096 9-00	Chlorine	0.03	0.03	0.13
	Ozone Depleting Substances	0.39	0.39	1.73
	Tetrachloroethylene	< 0.01	< 0.01	< 0.01
EQT 0123 1-08	1,3-Butadiene	< 0.001	< 0.001	< 0.001
	Acetaldehyde	0.005	0.005	0.001
	Acrolein	0.001	0.001	< 0.001
	Benzene	0.006	0.006	0.001
	Formaldehyde	0.007	0.007	0.002
	Naphthalene	0.001	0.001	< 0.001
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	< 0.001
	Toluene	0.002	0.002	0.001
	Xylene (mixed isomers)	0.002	0.002	< 0.001
FUG 0021 3-03	Chlorine	< 0.01	0.16	< 0.01
	Hydrochloric acid	< 0.01	0.02	0.03
	Tetrachloroethylene	0.08	0.19	0.35
FUG 0022 11-03	Chlorine	0.11	0.11	0.49
	Hydrochloric acid	0.99	0.99	4.32
	Ozone Depleting Substances	10.02	10.02	43.89
	Sulfuric acid	0.34	0.34	1.51
	Trichloroethylene	0.80	0.93	3.49
FUG 0023 1-04	Hydrochloric acid	0.10	0.10	0.43
	Ozone Depleting Substances	0.58	0.58	2.54
	Sulfuric acid	1.17	1.17	5.11
FUG 0029 24-00	Chlorine	0.35	0.35	1.52
	Chloroform	0.05	4.37	0.21
	Hydrochloric acid	0.15	0.32	0.68
	Ozone Depleting Substances	1.03	2.97	4.52
	Sulfuric acid	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0031 21-00	Hydrochloric acid	1.12	1.12	4.89
	Ozone Depleting Substances	10.26	12.22	44.93
	Tetrachloroethylene	0.31	0.31	1.35
FUG 0032 11-93	Chlorine	0.13	0.13	0.59
	Hydrochloric acid	1.04	1.04	4.56
	Ozone Depleting Substances	17.71	19.98	77.57
	Sulfuric acid	0.34	0.34	1.51
	Tetrachloroethylene	0.77	0.77	3.39
GRP 0025 6-03	Chlorine	< 0.01		0.03
	Formaldehyde	< 0.01		< 0.01
	Hydrochloric acid	0.63		2.74
	Ozone Depleting Substances	0.34		1.49
	Sulfuric acid	< 0.01		0.02
GRP 0026 7-03	Hydrochloric acid	1.53		6.72
UNF 0001	1,3-Butadiene			< 0.001
	Acetaldehyde			0.001
	Acrolein			< 0.001
	Benzene			0.001
	Chlorine			2.39
	Chloroform			0.21
	Dichloromethane			1.76
	Formaldehyde			0.082
	Hydrochloric acid			20.21
	Naphthalene			< 0.001
	Ozone Depleting Substances			134.06
	Polynuclear Aromatic Hydrocarbons			< 0.001
	Sulfuric acid			6.64
	Tetrachloroethylene			5.09
	Toluene			0.001
	Trichloroethylene			3.49
	Xylene (mixed isomers)			< 0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit-Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

Emission Rates Notes:

EQT 0067	Chlorine	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0067	Formaldehyde	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0067	Hydrochloric acid	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0067	Ozone Depleting Substances	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0067	Sulfuric acid	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0071	Hydrochloric acid	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the HCl Fume Scrubber Emissions Cap, Source ID No. 7-03, GRP026 Which Months: All Year
EQT 0074	Chlorine	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0074	Formaldehyde	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0074	Hydrochloric acid	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0074	Ozone Depleting Substances	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0074	Sulfuric acid	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025 Which Months: All Year
EQT 0077	Hydrochloric acid	Max lb/hr	This source operates under an emissions cap. The emissions shall be limited to the rates listed in the HCl Fume Scrubber Emissions Cap, Source ID No. 7-03, GRP026 Which Months: All Year
GRP 0025	Chlorine	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Chlorine	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Formaldehyde	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Formaldehyde	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Hydrochloric acid	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Hydrochloric acid	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Ozone Depleting Substances	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Ozone Depleting Substances	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Sulfuric acid	Avg lb/hr	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0025	Sulfuric acid	Tons/Year	Thermal Oxidizer Emissions Cap, Source ID No. 6-03 Which Months: All Year
GRP 0026	Hydrochloric acid	Avg lb/hr	HCl Fume Scrubber Emissions Cap, Source ID No. 7-03 Which Months: All Year
GRP 0026	Hydrochloric acid	Tons/Year	HCl Fume Scrubber Emissions Cap, Source ID No. 7-03 Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0065 1-93 Lime Silo

- 1 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. (State-Only Requirement).
- 2 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).
- 3 [LAC 33.III.501.C.6] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. (State-Only Requirement).
- 4 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).
- 5 [LAC 33.III.501.C.6] Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification. (State-Only Requirement).
- 6 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified

EQT0067 6-93 Thermal Oxidizer #1

- 7 [40 CFR 63.2455(a)] Hydrogen halides and halogens >= 99 % reduction by weight, or <= 0.45 kg/hr, or <= 20 ppmv. Subpart FFFF. [40 CFR 63.2455(a)]
Which Months: All Year Statistical Basis: None specified
Hydrogen halides and halogens >= 99 % reduction by weight, or <= 20 ppmv by venting through a closed-vent system to any combination of control devices. Subpart FFFF. [40 CFR 63.2465(a)]
- 8 [40 CFR 63.2465(a)] Which Months: All Year Statistical Basis: None specified
Determine and sum the uncontrolled hydrogen halide and halogen HAP emissions from each of the process vents within the process using the procedures specified in 40 CFR 63.125(d)(2)(i) and (d)(2)(ii). Subpart FFFF. [40 CFR 63.2465(b)]
Comply with 40 CFR 63.994 of Subpart SS and the requirements referenced therein, except as specified in 40 CFR 63.2465(c)(1) through (c)(3). Subpart FFFF. [40 CFR 63.2465(c)]
- 9 [40 CFR 63.2465(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 10 [40 CFR 63.2465(c)] Permittee shall comply with all applicable emission limitations and work practice standards listed in Table 1, and all applicable operating limits listed in Table 2 of 40 CFR 63 Subpart NNNNN. Subpart NNNNN.
- 11 [40 CFR 63.2525] Permittee shall be in compliance with all applicable emission limitations and work practice standards listed in Table 1, and all applicable operating limits listed in Table 2 of 40 CFR 63 Subpart NNNNN. Subpart NNNNN.
- 12 [40 CFR 63.9000] Permittee shall always operate and maintain the affected source, including air pollution control and monitoring equipment, in accordance with the provisions in 40 CFR 63.6(e)(1)(i). Subpart NNNNN. [40 CFR 63.9005(b)]
- 13 [40 CFR 63.9005(a)]
- 14 [40 CFR 63.9005(b)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

EQT0067 6-93 Thermal Oxidizer #1

- 15 [40 CFR 63.9005(c)] Permittee shall develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart NNNNN. [40 CFR 63.9005(c)]
- 16 [40 CFR 63.9005(d)] All monitoring equipment shall be installed, calibrated, maintained, and operated according to the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately. For each monitoring system required, the permittee shall develop, implement, and submit to the Administrator a site-specific monitoring plan that addresses the installation requirements in 40 CFR 63.9005(d)(1) through (3), the ongoing procedures in paragraphs (d)(4) through (6), and the requirements in 40 CFR 63.9025, as applicable. The permittee shall submit the plan with the Notification of Compliance Status. Upon request of the Administrator, the permittee shall promptly correct any deficiencies in a site-specific monitoring plan and submit the revised plan. Subpart NNNNN. [40 CFR 63.9005(d)]
- 17 [40 CFR 63.9010] Permittee shall comply with all applicable performance testing requirements of 40 CFR 63.9010, 40 CFR 63.9015, and 40 CFR 63.9020 (Table 3). Subpart NNNNN. [40 CFR 63.9010, 40 CFR 63.9015, 40 CFR 63.9020]
- 18 [40 CFR 63.9025(a)] For each operating parameter required by 40 CFR 63.9020(e), the permittee shall install, operate, and maintain each CMS according to the requirements in 40 CFR 63.9025(a)(1) through (6). Subpart NNNNN. [40 CFR 63.9025(a)]
- 19 [40 CFR 63.9050] Permittee shall comply with all reporting requirements listed in Table 6 of 40 CFR 63 Subpart NNNNN, in accordance with the provisions in 40 CFR 63.9050. Subpart NNNNN.
- 20 [40 CFR 63.9055] Permittee shall comply with all applicable recordkeeping requirements of 40 CFR 63.9055, in accordance with 40 CFR 63.9060. Subpart NNNNN. [40 CFR 63.9055, 40 CFR 63.9060]
- 21 [40 CFR 63.994(a)(1)] Reduce the overall emissions of hydrogen halides and halogens by the control device performance level specified in a referencing subpart. Subpart SS. [40 CFR 63.994(a)(1)]
- 22 [40 CFR 63.994(a)(2)] Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.994(a)(2)]
- 23 [40 CFR 63.994(b)(1)] Conduct an initial performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens according to the procedures in 40 CFR 63.997. Subpart SS. [40 CFR 63.994(b)(1)]
- 24 [40 CFR 63.994(c)(1)(i)] pH monitored by pH instrument continuously. Monitor the pH of the scrubber effluent. Subpart SS. [40 CFR 63.994(c)(1)(i)]
- 25 [40 CFR 63.994(c)(1)(ii)] Which Months: All Year Statistical Basis: None specified Flow monitored by flow indicator continuously. Install the flow meter at the scrubber influent for liquid flow. Determine gas stream flow using one of the procedures specified in 40 CFR 63.994(c)(1)(ii)(A) through (c)(1)(ii)(D). Subpart SS. [40 CFR 63.994(c)(1)(ii)]
- 26 [40 CFR 63.998] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
- 27 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 28 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average Opacity >= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 29 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Getsmar Complex
Activity Number: PER2008001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0067 6-93 Thermal Oxidizer #1

- 30 [LAC 33.II.501.C.6] 2nd Stage, Scrubbing Agent (Caustic Solution): Flow rate \geq 20 gallons/min. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 31 [LAC 33.II.501.C.6] 2nd Stage: pH $>$ 7.0 s.u.. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 32 [LAC 33.II.501.C.6] Flow rate monitored by flow rate monitoring device once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 33 [LAC 33.II.501.C.6] Flow rate recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).
- 34 [LAC 33.II.501.C.6] Hydrogen fluoride $<$ 1.52 lb/hr This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-01, GRP025.
Which Months: All Year Statistical Basis: Hourly maximum
- 35 [LAC 33.II.501.C.6] Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).
- 36 [LAC 33.II.501.C.6] pH monitored by pH instrument once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 37 [LAC 33.II.501.C.6] pH recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).

EQT0068 8-93 Emergency Diesel Generator #1

- 38 [LAC 33.II.1101.B] Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
- 39 [LAC 33.II.1311.C] Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

EQT0069 9-93 Thermal Oxidizer Acid Tank, U-920A

- 40 [LAC 33.II.501.C.6] Hydrogen fluoride $<$ 0.01 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
- 41 [LAC 33.II.501.C.6] Hydrogen fluoride $<$ 0.01 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
- 42 [LAC 33.II.501.C.6] Hydrogen fluoride $<$ 0.01 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum

EQT0071 1-95 HCl Fume Scrubber #1

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

EQT0071 1-95 HCI Fume Scrubber #1

- 43 [40 CFR 63.9000(a)] Hydrochloric acid >= 99 % reduction by weight or to an outlet concentration of 120 ppmv or less. Subpart NNNNN. Table 1. [40 CFR 63.9000(a)]
- 44 [40 CFR 63.9000] Which Months: All Year Statistical Basis: None specified Permittee shall comply with all applicable emission limitations and work practice standards listed in Table 1, and all applicable operating limits listed in Table 2 of 40 CFR 63 Subpart NNNNN. Subpart NNNNN.
- 45 [40 CFR 63.9005(a)] Permittee shall be in compliance with all applicable emission limitations and work practice standards listed in Table 1 of 40 CFR 63 Subpart NNNNN at all times, except during the periods of startup, shutdown, and malfunction. Subpart NNNNN. [40 CFR 63.9005(a)]
- 46 [40 CFR 63.9005(b)] Permittee shall always operate and maintain the affected source, including air pollution control and monitoring equipment, in accordance with the provisions in 40 CFR 63.6(e)(1)(i). Subpart NNNNN. [40 CFR 63.9005(b)]
- 47 [40 CFR 63.9005(c)] Permittee shall develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart NNNNN. [40 CFR 63.9005(c)]
- 48 [40 CFR 63.9005(d)] All monitoring equipment shall be installed, calibrated, maintained, and operated according to the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately. For each monitoring system required, the permittee shall develop, implement, and submit to the Administrator a site-specific monitoring plan that addresses the installation requirements in 40 CFR 63.9005(d)(1) through (3), the ongoing procedures in paragraphs (d)(4) through (6), and the requirements in 40 CFR 63.9025, as applicable. The permittee shall submit the plan with the Notification of Compliance Status. Upon request of the Administrator, the permittee shall promptly correct any deficiencies in a site-specific monitoring plan and submit the revised plan. Subpart NNNNN. [40 CFR 63.9005(d)]
- 49 [40 CFR 63.9010] Permittee shall comply with all applicable performance testing requirements of 40 CFR 63.9010, 40 CFR 63.9015, and 40 CFR 63.9020 (Table 3). Subpart NNNNN. [40 CFR 63.9010, 40 CFR 63.9015, 40 CFR 63.9020]
- 50 [40 CFR 63.9025(a)] For each operating parameter required by 40 CFR 63.9020(e), the permittee shall install, operate, and maintain each CMS according to the requirements in 40 CFR 63.9025(a)(1) through (6). Subpart NNNNN. [40 CFR 63.9025(a)]
- 51 [40 CFR 63.9050] Permittee shall comply with all reporting requirements listed in Table 6 of 40 CFR 63 Subpart NNNNN, in accordance with the provisions in 40 CFR 63.9050. Subpart NNNNN.
- 52 [40 CFR 63.9055] Permittee shall comply with all applicable recordkeeping requirements of 40 CFR 63.9055, in accordance with 40 CFR 63.9060. Subpart NNNNN. [40 CFR 63.9055, 40 CFR 63.9060]
- 53 [LAC 33.III.501.C.6] Flow rate monitored by flow rate monitoring device once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 54 [LAC 33.III.501.C.6] Flow rate recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).
- 55 [LAC 33.III.501.C.6] Scrubbing Agent (1% Caustic Solution): Flow rate >= 11.0 gallons/min. (State-Only Requirement).
- 56 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).
- 57 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
pH >= 7.0 s.u.. (State-Only Requirement).
- 58 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
pH monitored by pH instrument once every four hours. (State-Only Requirement).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0071 1-95 HCI Fume Scrubber #1

59 [LAC 33.III.501.C.6]

pH recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).

EQT0072 3-00 Emergency Diesel Generator #2

60 [LAC 33.III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified
Which Months: All Year Statistical Basis: None specified

EQT0073 4-00 Steam Boiler #2

63 [40 CFR 60.48c(g)]

Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. If only very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 0.32 lb/MMBTU (140 ng/J) heat input or less is burnt, keep records of the fuels combusted during each calendar month. Subpart Dc. [40 CFR 60.48c(g)]

Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified
Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

Nitrogen oxides <= 0.10 lb/MMBTU.
Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33.III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33.III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33.III.2201.I.1.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33.III.2201.D or E. Include the information specified in LAC 33.III.2201.1.2.a through 1.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33.III.2201.1.3 and I.4 as applicable.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0074 6-00 Thermal Oxidizer #2

- 73 [40 CFR 63.2455(a)] Hydrogen halides and halogens $\geq 99\%$ reduction by weight, or $<= 0.45 \text{ kg/hr}$, or $<= 20 \text{ ppmv}$. Subpart FFFF. [40 CFR 63.2455(a)]
Which Months: All Year Statistical Basis: None specified
- 74 [40 CFR 63.2465(a)] Hydrogen halides and halogens $\geq 99\%$ reduction by weight, or $<= 20 \text{ ppmv}$ by venting through a closed-vent system to any combination of control devices. Subpart FFFF. [40 CFR 63.2465(a)]
- 75 [40 CFR 63.2465(b)] Which Months: All Year Statistical Basis: None specified
Determine and sum the uncontrolled hydrogen halide and halogen HAP emissions from each of the process vents within the process using the procedures specified in 40 CFR 63.1257(d)(2)(i) and (d)(2)(ii). Subpart FFFF. [40 CFR 63.2465(b)]
- 76 [40 CFR 63.2465(c)] Comply with 40 CFR 63.994 and the requirements referenced therein, except as specified in 40 CFR 63.2465(c)(1) through (c)(3). Subpart FFFF. [40 CFR 63.2465(c)]
- 77 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 78 [40 CFR 63.9000] Permittee shall comply with all applicable emission limitations and work practice standards listed in Table 1, and all applicable operating limits listed in Table 2 of 40 CFR 63 Subpart NNNNN. Subpart NNNNN.
- 79 [40 CFR 63.9005(a)] Permittee shall be in compliance with all applicable emission limitations and work practice standards listed in Table 1 of 40 CFR 63 Subpart NNNNN at all times, except during the periods of startup, shutdown, and malfunction. Subpart NNNNN. [40 CFR 63.9005(a)]
- 80 [40 CFR 63.9005(b)] Permittee shall always operate and maintain the affected source, including air pollution control and monitoring equipment, in accordance with the provisions in 40 CFR 63.6(e)(1)(i). Subpart NNNNN. [40 CFR 63.9005(b)]
- 81 [40 CFR 63.9005(c)] Permittee shall develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart NNNNN. [40 CFR 63.9005(c)]
- 82 [40 CFR 63.9005(d)] All monitoring equipment shall be installed, calibrated, maintained, and operated according to the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately. For each monitoring system required, the permittee shall develop, implement, and submit to the Administrator a site-specific monitoring plan that addresses the installation requirements in 40 CFR 63.9005(d)(1) through (3), the ongoing procedures in paragraphs (d)(4) through (6), and the requirements in 40 CFR 63.9025, as applicable. The permittee shall submit the plan with the Notification of Compliance Status. Upon request of the Administrator, the permittee shall promptly correct any deficiencies in a site-specific monitoring plan and submit the revised plan. Subpart NNNNN. [40 CFR 63.9005(d)]
- 83 [40 CFR 63.9010] Permittee shall comply with all applicable performance testing requirements of 40 CFR 63.9010, 40 CFR 63.9015, and 40 CFR 63.9020. Subpart NNNNN. [40 CFR 63.9010, 40 CFR 63.9015, 40 CFR 63.9020]
- 84 [40 CFR 63.9025(a)] For each operating parameter required by 40 CFR 63.9020(e), the permittee shall install, operate, and maintain each CMS according to the requirements in 40 CFR 63.9025(a)(1) through (6). Subpart NNNNN. [40 CFR 63.9025(a)]
- 85 [40 CFR 63.9050] Permittee shall comply with all reporting requirements listed in Table 6 of 40 CFR 63 Subpart NNNNN, in accordance with the provisions in 40 CFR 63.9050. Subpart NNNNN.
- 86 [40 CFR 63.9055] Permittee shall comply with all applicable recordkeeping requirements of 40 CFR 63.9055, in accordance with 40 CFR 63.9060. Subpart NNNNN. [40 CFR 63.9055, 40 CFR 63.9060]
- 87 [40 CFR 63.994(a)(1)] Reduce the overall emissions of hydrogen halides and halogens by the control device performance level specified in a referencing subpart. Subpart SS. [40 CFR 63.994(a)(1)]
Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.994(a)(2)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0074 6-00 Thermal Oxidizer #2

- 89 [40 CFR 63.994(b)(1)]
Conduct an initial performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens according to the procedures in 40 CFR 63.997. Subpart SS. [40 CFR 63.994(b)(1)]
pH monitored by pH instrument continuously. Monitor the pH of the scrubber effluent. Subpart SS. [40 CFR 63.994(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified
- 90 [40 CFR 63.994(c)(1)(ii)]
Flow monitored by flow indicator continuously. Install the flow meter at the scrubber influent for liquid flow. Determine gas stream flow using one of the procedures specified in 40 CFR 63.994(c)(1)(ii)(A) through (c)(1)(ii)(D). Subpart SS. [40 CFR 63.994(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
- 91 [40 CFR 63.994(c)(1)(iii)]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
- 92 [40 CFR 63.998]
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 93 [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 94 [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 95 [LAC 33:III.501.C.6]
1st Stage, Scrubbing Agent (Caustic Solution): Flow rate >= 25 gallons/min. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 96 [LAC 33:III.501.C.6]
2nd Stage, Scrubbing Agent (Caustic Solution): Flow rate >= 20 gallons/min. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 97 [LAC 33:III.501.C.6]
2nd Stage: pH >= 7.0 s.u.
Which Months: All Year Statistical Basis: None specified
Flow rate monitored by flow rate monitoring device once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 98 [LAC 33:III.501.C.6]
Flow rate recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).
Hydrogen fluoride <= 1.52 lb/hr This source operates under an emissions cap. The emissions shall be limited to the rates listed in the Thermal Oxidizer Cap, Source ID No. 6-03, GRP025.
Which Months: All Year Statistical Basis: Hourly maximum
- 99 [LAC 33:III.501.C.6]
Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).
pH monitored by pH instrument once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
- 100 [LAC 33:III.501.C.6]
pH recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).
- 101 [LAC 33:III.501.C.6]
102 [LAC 33:III.501.C.6]
103 [LAC 33:III.501.C.6]

EQT0075 7-00 Thermal Oxidizer Acid Tank, U-920B

- 104 [LAC 33:III.501.C.6]
Hydrogen fluoride < 0.01 lb/hr.
Which Months: All Year Statistical Basis: Hourly average

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

EQT0075 7-00 Thermal Oxidizer Acid Tank, U-920B

- 105 [LAC 33:III.501.C.6] Hydrogen fluoride < 0.01 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
- 106 [LAC 33:III.501.C.6] Hydrogen fluoride < 0.01 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum

EQT0076 11-00 Steam Boiler #3

- 107 [40 CFR 60.48c(g)] Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. If only very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 0.32 lb/MMBTU (140 ng/l) heat input or less is burnt, keep records of the fuels combusted during each calendar month. Subpart Dc. [40 CFR 60.48c(g)]
Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

- 110 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

- 111 [LAC 33:III.2201.D.1] Nitrogen oxides <= 0.10 lb/MMBTU.

- 112 [LAC 33:III.2201.H.1.a.i] Which Months: May-Sep Statistical Basis: Thirty-day rolling average
Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.

- 108 [40 CFR 60.48c(i)] Which Months: May-Sep Statistical Basis: None specified
109 [LAC 33:III.1101.B] Which Months: May-Sep Statistical Basis: None specified
Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

- 114 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.

- 115 [LAC 33:III.2201.I.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.

- 116 [LAC 33:III.2201.J] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

EQT0077 12-00 HCI Fume Scrubber #2

- 117 [40 CFR 63.9000] Permittee shall comply with all applicable emission limitations and work practice standards listed in Table 1, and all applicable operating limits listed in Table 2 of 40 CFR 63 Subpart NNNNN. Subpart NNNNN
Permittee shall be in compliance with all applicable emission limitations and work practice standards listed in Table 1 of 40 CFR 63 Subpart NNNNN at all times, except during the periods of startup, shutdown, and malfunction. Subpart NNNNN. [40 CFR 63.9005(a)]
Permittee shall always operate and maintain the affected source, including air pollution control and monitoring equipment, in accordance with the provisions in 40 CFR 63.6(e)(1)(i). Subpart NNNNN. [40 CFR 63.9005(b)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0077 12-00 HCI Fume Scrubber #2

- Permittee shall develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart NNNNN.
- [40 CFR 63.9005(c)]
- All monitoring equipment shall be installed, calibrated, maintained, and operated according to the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately. For each monitoring system required, the permittee shall develop, implement, and submit to the Administrator a site-specific monitoring plan that addresses the installation requirements in 40 CFR 63.9005(d)(1) through (3), the ongoing procedures in paragraphs (i)(4) through (6), and the requirements in 40 CFR 63.9025, as applicable. The permittee shall submit the plan with the Notification of Compliance Status. Upon request of the Administrator, the permittee shall promptly correct any deficiencies in a site-specific monitoring plan and submit the revised plan. Subpart NNNNN. [40 CFR 63.9005(d)]
- Permittee shall comply with all applicable performance testing requirements of 40 CFR 63.9010, 40 CFR 63.9015, and 40 CFR 63.9020. Subpart NNNNN. [40 CFR 63.9010, 40 CFR 63.9015, 40 CFR 63.9020]
- For each operating parameter required by 40 CFR 63.9020(e), the permittee shall install, operate, and maintain each CMS according to the requirements in 40 CFR 63.9025(a)(1) through (6). Subpart NNNNN. [40 CFR 63.9025(a)]
- Permittee shall comply with all reporting requirements listed in Table 6 of 40 CFR 63 Subpart NNNNN, in accordance with the provisions in 40 CFR 63.9050. Subpart NNNNN.
- Permittee shall comply with all applicable recordkeeping requirements of 40 CFR 63.9055, in accordance with 40 CFR 63.9060. Subpart NNNNN. [40 CFR 63.9055, 40 CFR 63.9060]
- Flow rate monitored by flow rate monitoring device once every four hours. (State-Only Requirement).
- Which Month: All Year Statistical Basis: None specified
- Flow rate recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).
- Scrubbing Agent (1% Caustic Solution): Flow rate ≥ 11.0 gallons/min. (State-Only Requirement).
- Which Month: All Year Statistical Basis: None specified
- Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).
- pH ≥ 7.0 s.u. (State-Only Requirement).
- Which Month: All Year Statistical Basis: None specified
- pH monitored by pH instrument once every four hours. (State-Only Requirement).
- Which Month: All Year Statistical Basis: None specified
- pH recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).

EQT0078 13-00 TCE Tank, U-101

- Implement vapor balancing in accordance with 40 CFR 63.1253(f), except as specified in 40 CFR 63.2470(e)(1) through (e)(3). Subpart FFFF.
- [40 CFR 63.2470(e)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- Equip with a submerged fill pipe.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

EQT0078 13-00 TCE Tank, U-101

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Implementing a vapor balance system in accordance with 40 CFR 63.1253(f) is determined as MACT. No additional controls are required.

EQT0079 14-00 PCE Tank, U-100

Implement vapor balancing in accordance with 40 CFR 63.1253(f), except as specified in 40 CFR 63.2470(e)(1) through (e)(3). Subpart FFFF [40 CFR 63.2470(e)]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.

Equip with a submerged fill pipe.

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Implementing a vapor balance system in accordance with 40 CFR 63.1253(f) is determined as MACT. No additional controls are required.

EQT0080 15-00 HF Solution/Spent Caustic Air Stripper

Comply with the requirements in 40 CFR 63.132 through 63.148 and the requirements referenced therein, except as specified in 40 CFR 63.2485. Subpart FFFF.

[40 CFR 63.2485(a)] Determine the annual average concentration and annual average flowrate for wastewater streams for each MCPU. Subpart FFFF. [40 CFR 63.2485(j)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER2008001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0080 15-00 HF Solution/Spent Caustic Air Stripper

- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- Hydrogen fluoride <= 0.01 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
- Hydrogen fluoride <= 0.04 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
- Hydrogen fluoride <= 0.04 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum

EQT0081 20-00 HF Solution/Spent Caustic Air Stripper

- Comply with the requirements in 40 CFR 63.132 through 63.148 and the requirements referenced therein, except as specified in 40 CFR 63.2485. Subpart FFFF. [40 CFR 63.2485(a)] Determine the annual average flowrate for wastewater streams for each MCPU. Subpart FFFF. [40 CFR 63.2485(j)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- Hydrogen fluoride <= 0.03 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
- Hydrogen fluoride <= 0.08 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
- Hydrogen fluoride <= 0.09 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum

EQT0082 28-00 Laboratory Hoods

- Hydrogen fluoride < 0.01 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
- Hydrogen fluoride < 0.01 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
- Hydrogen fluoride < 0.01 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
No additional control is determined as MACT.

EQT0083 10-02 Rainwater Collection Tank, U-1811

- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
No control is determined as MACT.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0085 1-03 HFC-245fa/125 Plants Cooling Water System

- 166 [40 CFR 63.2490(a)] Comply with the requirements of 40 CFR 63.104 and the requirements referenced therein, except as specified in 40 CFR 63.2490. Subpart FFFF. [40 CFR 63.2490(a)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.

EQT0087 5-93 Hot Salt Burner (MPP 134a Mode)

- 168 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 169 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
- 170 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

EQT0088 9-00 MPP Cooling Water System (MPP 134a Mode)

- 171 [40 CFR 63.2490(a)(Table 10)] Comply with the requirements of 40 CFR 63.104 and the requirements referenced therein, except as specified in 40 CFR 63.2490. Subpart FFFF. [40 CFR 63.2490(a)(Table 10)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 172 [40 CFR 63.2525] Complying with the requirements of MON 40 CFR 63 Subpart FFFF constitutes MACT.

EQT0093 5-00 Hot Salt System, X-1600

- 175 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 176 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 20082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0094 8-00 Catalyst Regeneration Scrubber

- Flow rate monitored by flow rate monitoring device once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
Flow rate recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).
Hydrogen fluoride < 0.001 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
Hydrogen fluoride < 0.001 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
Hydrogen fluoride < 0.001 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Scrubbing Agent (4% Caustic Solution): Flow rate \geq 15 gallons/min. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).
pH \geq 7.0 s.u.. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
pH monitored by pH instrument once every four hours. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
pH recordkeeping by electronic or hard copy once every four hours. (State-Only Requirement).

EQT0095 5-93 Hot Salt Burner (MPP 120 Mode)

- Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
Total suspended particulate \leq 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

EQT0096 9-00 MPP Cooling Water System (MPP 120 Mode)

- 190 [40 CFR 63.2490(a)(Table 10)] Comply with the requirements of 40 CFR 63.104 and the requirements referenced therein, except as specified in 40 CFR 63.2490. Subpart FFFF. [40 CFR 63.2490(a)(Table 10)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0096 9-00 MPP Cooling Water System (MPP 120 Mode)

- 192 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. After the MON (40 CFR 63 Subpart FFFF) regulatory compliance date as published in the Federal Register, compliance with the Heat Exchange System requirements of MON (40 CFR 63 Subpart FFFF) shall constitute MACT.

EQT0123 1-08 Control Room Emergency Diesel Generator Engine

- 194 [40 CFR 60.4205(b)] Comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power. Subpart III. [40 CFR 60.4205(b)]
Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart III.
Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart III. [40 CFR 60.4207(a)]
Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart III. [40 CFR 60.4207(b)]
Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart III. [40 CFR 60.4209(a)]
Which Months: All Year Statistical Basis: None specified
Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart III. [40 CFR 60.4211(a)] Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart III. [40 CFR 60.4211(c)]
Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart III.
Operating time recordkeeping by electronic or hard copy upon occurrence of event. If the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. Record the time of operation of the engine and the reason the engine was in operation during that time. Subpart III. [40 CFR 60.4214(b)]
Comply with the applicable requirements of 40 CFR 60 Subpart III for compression ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

EQT0123 1-08 Control Room Emergency Diesel Generator Engine

205 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0019 10-00 Lime Slaker Fugitives

206 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0020 27-00 Lime Sludge Loading Fugitives

207 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0021 3-03 Fugitives and Unloading Operations

208 [40 CFR 61.9040(Table 5)] Permittee shall use an LDAR plan and report any instances where you deviated from the plan and the corrective actions taken. Subpart NNNNN.
[40 CFR 61.9040(Table 5)]
Permittee shall comply with all applicable requirements of MON (40 CFR 63 Subpart FFFF) by the MON regulatory compliance date as published in the Federal Register. Subpart FFFF. [40 CFR 63.2445(b)]
Comply with the requirements in 40 CFR 63 Subpart UU and the requirements referenced therein by the MON regulatory compliance date as published in the Federal Register. Subpart FFFF. [40 CFR 63.2480(a)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (K), as applicable. Subpart FFFF.
Permittee shall prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion; and submit the plan to the Administrator for comment only with your Notification of Compliance Status; and incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements, provided that all manuals that are incorporated by reference are submitted to the Administrator. Subpart NNNNN. [40 CFR 63.9000(a)(Table 1)]
Hoses used for HCl loading: Hydrochloric acid >= 99 % control efficiency or to an outlet concentration of 120 ppmv or less. Subpart NNNNN.
Table 1. [40 CFR 63.9000(a)]
Which Months: All Year Statistical Basis: None specified
Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

- 216 [LAC 33:III.5109.A] Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 217 [LAC 33:III.5109.A] Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- Which Months: All Year Statistical Basis: None specified
- 218 [LAC 33:III.5109.A] Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 219 [LAC 33:III.5109.A] Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- Which Months: All Year Statistical Basis: None specified
- Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 220 [LAC 33:III.5109.A] Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 221 [LAC 33:III.5109.A] Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 222 [LAC 33:III.5109.A] Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections E.1 through E.7.
- 223 [LAC 33:III.5109.A] Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 224 [LAC 33:III.5109.A] Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

- 226 [LAC 33.III.S109.A] Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 227 [LAC 33.III.S109.A] Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): Comply with the requirements of Section K, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Paragraph O.2.
- 228 [LAC 33.III.S109.A] Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9. Comply with this requirement instead of the requirements in Paragraph O.2.
- Which Months: All Year Statistical Basis: None specified
- 229 [LAC 33.III.S109.A] Connectors in gas/vapor service and in light liquid service (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.
- 230 [LAC 33.III.S109.A] Connectors in gas/vapor service and in light liquid service (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, including those determined to be unrepairable prior to process unit shutdown, as specified in Paragraph O.8.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.
- Which Months: All Year Statistical Basis: None specified
- 231 [LAC 33.III.S109.A] Connectors in gas/vapor service and in light liquid service (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitoring must be performed within one year from the previous monitoring. Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

- 232 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified
- 233 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- 234 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
Which Months: All Year Statistical Basis: None specified
- 235 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.
Which Months: All Year Statistical Basis: None specified
- 236 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 237 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 238 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

- 239 [LAC 33:II.5|09.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of the Louisiana Non-HON MACT for the control of tetrachloroethylene emissions constitutes MACT.
- 240 [LAC 33:II.5|09.A] Delay of Repair: Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M. 1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q. 1 through Q. 13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Section K.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 10000 ppm or greater for agitators, 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.
- Which Months: All Year Statistical Basis: None specified
- Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Open-ended valves on lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections F.1 and F.2.
- Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3., as specified in Section F.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

251 [LAC 33:III.5109.A]

Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.3.

252 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

253 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

254 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.

255 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

256 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.d of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.

257 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i.

258 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections D.1 through D.4.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

- Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, monitor within 5 days by the methods specified in Subsection P.2.
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks using the methods specified in Subsection P.2, except as provided in Subsection C.4 and Subsections D.4, D.5, and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.
- Which Months: All Year Statistical Basis: None specified
- Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Ensure that this system collects or captures the sample purge for return to the process.
- Submit report: Due semiannually starting six months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- VOC, Total monitored by technically sound method within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Which Months: All Year Statistical Basis: None specified
- VOC, Total recordkeeping by logbook within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled. Maintain records as required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection 1.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection 1.1.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER2008001
Permit Number: 0180-00003-Y2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

270 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

271 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.

272 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.

273 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (percent leaking valves >= 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. Initiate monthly monitoring within 60 days of the previous monitoring and continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.

274 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

275 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.

276 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (regulation's specified frequency): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

277 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

SPECIFIC REQUIREMENTS

AI ID: 20082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0021 3-03 Fugitives and Unloading Operations

278 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.

Which Months: All Year Statistical Basis: None specified

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

279 [40 CFR 63.2445(b)] Permittee shall comply with all applicable requirements of MON (40 CFR 63 Subpart FFFF) by the MON regulatory compliance date as published in the Federal Register. Subpart FFFF. [40 CFR 63.2445(b)]
Comply with the requirements in 40 CFR 63 Subpart UU and the requirements referenced therein. Subpart FFFF. [40 CFR 63.2480(a)]
Permittee shall prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion; and submit the plan to the Administrator for comment only with your Notification of Compliance Status; and incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements, provided that all manuals that are incorporated by reference are submitted to the Administrator. Subpart NNNNN. [40 CFR 63.900(a)(Table 1)]
Permittee shall use an LDAR plan and report any instances where you deviated from the plan and the corrective actions taken. Subpart NNNNN.
[40 CFR 63.9040(Table 5)]

280 [40 CFR 63.2480(a)] Hydrogen fluoride <= 0.14 lb/hr.
Which Months: All Year Statistical Basis: Hourly average

281 [40 CFR 63.9000(a)(Table 1)] Hydrogen fluoride <= 0.14 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum

282 [40 CFR 63.9040(Table 5)] Hydrogen fluoride <= 0.60 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

283 [LAC 33:II.501.C.6] Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
Which Months: All Year Statistical Basis: None specified

284 [LAC 33:II.501.C.6]

285 [LAC 33:II.501.C.6]

286 [LAC 33:II.5109.A]

287 [LAC 33:II.5109.A]

288 [LAC 33:II.5109.A]

289 [LAC 33:II.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

- 290 [LAC 33:III.5109.A] Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 291 [LAC 33:III.5109.A] Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- Which Months: All Year Statistical Basis: None specified
- Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 292 [LAC 33:III.5109.A] Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 293 [LAC 33:III.5109.A] Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 294 [LAC 33:III.5109.A] Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections E.1 through E.7.
- 295 [LAC 33:III.5109.A] Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 296 [LAC 33:III.5109.A] Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- Which Months: All Year Statistical Basis: None specified
- 297 [LAC 33:III.5109.A] Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 298 [LAC 33:III.5109.A] Connectors in gas/vapor service and in liquid service (<= 1 inch in diameter): Comply with the requirements of Section K, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Paragraph O.2.
- 299 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

- 300 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9.
- Comply with this requirement instead of the requirements in Paragraph O.2.
- Which Months: All Year Statistical Basis: None Specified
- Connectors in gas/vapor service and in light liquid service (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.
- Connectors in gas/vapor service and in light liquid service (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, including those determined to be unrepairable prior to process unit shutdown, as specified in Paragraph O.8.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.
- Which Months: All Year Statistical Basis: None Specified
- Connectors in gas/vapor service and in light liquid service (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitoring must be performed within one year from the previous monitoring. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None Specified
- Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None Specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER2008001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

- 305 [LAC 33.III.5109.A] Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- 306 [LAC 33.III.5109.A] Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 307 [LAC 33.III.5109.A] Connectors in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of the Louisiana Non-HON MACT for the control of trichloroethylene emissions constitutes MACT.
- 308 [LAC 33.III.5109.A] Delay of Repair: Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 309 [LAC 33.III.5109.A] Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 310 [LAC 33.III.5109.A]
- 311 [LAC 33.III.5109.A]
- 312 [LAC 33.III.5109.A]
- 313 [LAC 33.III.5109.A]
- 314 [LAC 33.III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 20082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0022_11-93 MPP Fugitive Emissions (MPP 134a Mode)

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Section K.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 10000 ppm or greater for agitators, 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.

Which Months: All Year Statistical Basis: None specified

Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections F.1 and F.2.

Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Section F.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Which Months: All Year Statistical Basis: None specified

Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.3.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1. Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

- 326 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D 4.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D 1.
- 327 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D 4.e.i of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D 4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D 1.
- Which Months: All Year Statistical Basis: None specified
- 328 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D 1.
- 329 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.d of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D 1.
- Which Months: All Year Statistical Basis: None specified
- 330 [LAC 33.III.5109.A] Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i.
- Which Months: All Year Statistical Basis: None specified
- 331 [LAC 33.III.5109.A] Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections D 1 through D 4.
- 332 [LAC 33.III.5109.A] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, monitor within 5 days by the methods specified in Subsection P 2.
- Which Months: All Year Statistical Basis: None specified
- 333 [LAC 33.III.5109.A] Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks using the methods specified in Subsection P.2, except as provided in Subsection C.4 and Subsections D.4, D.5, and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.

Which Months: All Year Statistical Basis: None specified
Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Ensure that this system collects or captures the sample purge for return to the process.

Submit report: Due semiannually starting six months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.c, as specified in Subsection R.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

VOC, Total monitored by technically sound method within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Which Months: All Year Statistical Basis: None specified
VOC, Total recordkeeping by logbook within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled. Maintain records as required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection 1.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.

Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection 1.6.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

Which Months: All Year Statistical Basis: None specified

334 [LAC 33.III.5109.A]

335 [LAC 33.III.5109.A]

336 [LAC 33.III.5109.A]

337 [LAC 33.III.5109.A]

338 [LAC 33.III.5109.A]

339 [LAC 33.III.5109.A]

340 [LAC 33.III.5109.A]

341 [LAC 33.III.5109.A]

342 [LAC 33.III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER2008001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0022 11-93 MPP Fugitive Emissions (MPP 134a Mode)

- 343 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- 344 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. Initiate monthly monitoring within 60 days of the previous monitoring and continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.
Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.
- 345 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection 1.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection 1.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
- 346 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.
- 347 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection 1.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 348 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.
Which Months: All Year Statistical Basis: None specified
- 349 [LAC 33:III.5109.A]
- 350 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0023 1-04 HF Recovery Fugitives (MPP 120 Mode)

- Comply with the requirements in 40 CFR 63 Subpart UU and the requirements referenced therein. Subpart FFFF. [40 CFR 63.2480(a)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR
63.2525(a) through (k), as applicable. Subpart FFFF.
- 351 [40 CFR 63.2480(a)]
352 [40 CFR 63.2525]
353 [LAC 33:III.501.C.6]
Hydrogen fluoride <= 0.16 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
354 [LAC 33:III.501.C.6]
Hydrogen fluoride <= 0.16 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
355 [LAC 33:III.501.C.6]
Hydrogen fluoride <= 0.71 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Permittee shall comply with the sensory monitoring leak detection and repair (LDAR) program for all components in hydrogen fluoride (HF)
service, as described in State-Only Specific Condition 1 in this Title V permit.

FUG0024 6-99 ACLON Plant Fugitive Emissions

- Repair according to LAC 33:III.2122.C.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's
concentration, except those covered under LAC 33:III.2122.C.1.d.
- Pumps and valves in heavy liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days if observed leaking by
sight, sound, or smell. Repair according to LAC 33:III.2122.C.3 if the pump or valve is determined to be leaking in excess of the applicable
limits given in LAC 33:III.2122.
- Which Months: All Year Statistical Basis: None specified
Do not locate any valve, except safety pressure relief valves, at the end of a pipe or line containing volatile organic compounds unless the end of
such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example,
when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing
device.
Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2122, within 15 days, except as provided.
Determine the percent of leaking components at a process unit for a test period using the equation in LAC 33:III.2122.C.4.
Determine the total percent of leaking and unrepairable components using the equation in LAC 33:III.2122.C.5.
Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 1,000 ppm or
greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppm or
greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified
Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading
of 1,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0024 6-99 ACLON Plant Fugitive Emissions

- Valves in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2122.E (skip period provisions).
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
- Which Months: All Year Statistical Basis: None specified
- Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2122.E (skip period provisions).
- Which Months: All Year Statistical Basis: None specified
- Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times a year).
- Which Months: All Year Statistical Basis: None specified
- Flanged connectors: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
- Which Months: All Year Statistical Basis: None specified
- Flanged connectors: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly.
- Which Months: All Year Statistical Basis: None specified
- Instrumentation systems: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
- Which Months: All Year Statistical Basis: None specified
- Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 1,000 ppmv or greater (for petroleum refineries, SOCML, MTBE, and polymer manufacturing industry) or 2,500 ppmv or greater (for natural gas processing plants) is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3.
- Which Months: All Year Statistical Basis: None specified
- All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2122.C.3.
- Which Months: All Year Statistical Basis: None specified
- Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
- Which Months: All Year Statistical Basis: None specified
- Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
- Which Months: All Year Statistical Basis: None specified
- When a component which has a leak that cannot be repaired, as described in LAC 33:III.2122.C, is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Remove the tag after the leak has been repaired.
- Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2122.F.2.a through j. Retain the survey log for two years after the latter date specified in LAC 33:III.2122.F.2 and make said log available to DEQ upon request.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0024 6-99 ACLON Plant Fugitive Emissions

379 [LAC 33.III.1311.C] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division.
Include the information specified in LAC 33.III.2122.G.1 through 6 for each calendar quarter during the reporting period.

FUG0025 25-00 ACLON Building Transfer Fugitives

380 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0026 26-00 ACLON Sludge Loading Fugitives

381 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0027 3-01 ACLON Neutralization Fugitives

382 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0028 4-01 Precoat Tank Fugitives

383 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG0029 24-00 HFC-245fa Plant Fugitives

384 [40 CFR 63.2480(a)] Comply with the requirements in 40 CFR 63 Subpart UU and the requirements referenced therein. Subpart FFFF. [40 CFR 63.2480(a)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
Permittee shall prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion; and submit the plan to the Administrator for comment only with your Notification of Compliance Status; and incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements, provided that all manuals that are incorporated by reference are submitted to the Administrator. Subpart NNNNN. [40 CFR 63.9000(a)(Table 1)]
Permittee shall use an LDAR plan and report any instances where you deviated from the plan and the corrective actions taken. Subpart NNNNN. [40 CFR 63.9040(Table 5)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0029 24-00 HFC-245fa Plant Fugitives

- 388 [LAC 33.III.501.C.6] Hydrogen fluoride <= 0.24 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
Hydrogen fluoride <= 0.24 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
Hydrogen fluoride <= 1.03 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 390 [LAC 33.III.501.C.6] Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 391 [LAC 33.III.5109.A] Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 392 [LAC 33.III.5109.A] Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 393 [LAC 33.III.5109.A] Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 394 [LAC 33.III.5109.A] Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- 395 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified
Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 396 [LAC 33.III.5109.A] Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 397 [LAC 33.III.5109.A] Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 398 [LAC 33.III.5109.A] Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections E.1 through E.7.

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- 401 [LAC 33.III.5109.A] Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 402 [LAC 33.III.5109.A] Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- Which Months: All Year Statistical Basis: None specified
- Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): Comply with the requirements of Section K, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Paragraph O.2.
- Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9.
- Comply with this requirement instead of the requirements in Paragraph O.2.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.
- Connectors in gas/vapor service and in light liquid service (opened or otherwise had the seal broken): VOC, Total monitored by the regulations specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, including those determined to be unrepairable prior to process unit shutdown, as specified in Paragraph O.8.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.
- Which Months: All Year Statistical Basis: None specified

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408 [LAC 33:III.5109.A]

Connectors in gas/vapor service and in light liquid service (percent of leaking connectors ≤ 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitoring must be performed within one year from the previous monitoring. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.2 through O.6.

Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.2 through O.6.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

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409 [LAC 33:III.5109.A]

Connectors in gas/vapor service and in light liquid service (percent of leaking connectors ≤ 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitoring must be performed within one year from the previous monitoring. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.2 through O.6.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.2 through O.6.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

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- Connectors in gas/vapor service and in liquid service: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of the Louisiana Non-HON MACT for the control of chloroform emissions constitutes MACT.
- Delay of Repair: Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Section K.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 10000 ppm or greater for agitators, 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.
- Which Months: All Year Statistical Basis: None specified
- Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

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- 426 [LAC 33.III.5109.A] Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections F.1 and F.2.
- 427 [LAC 33.III.5109.A] Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Section F.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 428 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.3.
- 429 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 430 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 431 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 432 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- 433 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 434 [LAC 33.III.5109.A] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.d of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- Which Months: All Year Statistical Basis: None specified

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Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D 6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D 5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections D.1 through D.4.

Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, monitor within 5 days by the methods specified in Subsection P.2.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks using the methods specified in Subsection P.2, except as provided in Subsection C.4 and Subsections D.4, D.5, and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.

Which Months: All Year Statistical Basis: None specified

Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Ensure that this system collects or captures the sample purge for return to the process.

Submit report: Due semiannually starting six months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

VOC, Total monitored by technically sound method within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Which Months: All Year Statistical Basis: None specified

- 435 [LAC 33.III.S109.A]

- 436 [LAC 33.III.S109.A]

- 437 [LAC 33.III.S109.A]

- 438 [LAC 33.III.S109.A]

- 439 [LAC 33.III.S109.A]

- 440 [LAC 33.III.S109.A]

- 441 [LAC 33.III.S109.A]

- 442 [LAC 33.III.S109.A]

- 443 [LAC 33.III.S109.A]

- 444 [LAC 33.III.S109.A]

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- 445 [LAC 33.III.5109.A] VOC, Total recordkeeping by logbook within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled. Maintain records as required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 446 [LAC 33.III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.
- 447 [LAC 33.III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
- 448 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves \leq 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- 449 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves \leq 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- 450 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves \geq 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. Initiate monthly monitoring within 60 days of the previous monitoring and continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.
- 451 [LAC 33.III.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 452 [LAC 33.III.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.

SPECIFIC REQUIREMENTS

AI ID: 20082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0029 24-00 HFC-245fa Plant Fugitives

453 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection 1.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

Which Months: All Year Statistical Basis: None specified

454 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

455 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.

Which Months: All Year Statistical Basis: None specified

FUG0030 2-03 SbCl3 Fugitives

456 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

457 [LAC 33:III.501.C.6] Antimony < 0.01 lb/hr.

Which Months: All Year Statistical Basis: Hourly average

458 [LAC 33:III.501.C.6] Antimony <= 0.02 tons/yr.

Which Months: All Year Statistical Basis: Annual maximum

459 [LAC 33:III.501.C.6] Antimony <= 0.88 lb/hr.

Which Months: All Year Statistical Basis: Hourly maximum

460 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ
No control is determined as MACT.

FUG0031 24-00 HFC-125 Plant Fugitives

461 [40 CFR 63.2480(a)] Comply with the requirements in 40 CFR 63 Subpart UU and the requirements referenced therein. Subpart FFFF. [40 CFR 63.2480(a)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF

462 [40 CFR 63.2525] Permittee shall prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion; and submit the plan to the Administrator for comment only with your Notification of Compliance Status; and incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements, provided that all manuals that are incorporated by reference are submitted to the Administrator. Subpart NNNNN. [40 CFR 63.9000(a)(Table 1)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex.
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

- Permittee shall use an LDAR plan and report any instances where you deviated from the plan and the corrective actions taken. Subpart NNNNN.
- [40 CFR 63.9040(Table 5)]
- 464 [40 CFR 63.9040(Table 5)]
Hydrogen fluoride <= 0.37 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
- 465 [LAC 33:II.501.C.6]
Hydrogen fluoride <= 0.37 lb/hr.
- 466 [LAC 33:II.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 467 [LAC 33:II.501.C.6]
Hydrogen fluoride <= 1.63 tons/yr.
- 468 [LAC 33:II.5109.A]
Which Months: All Year Statistical Basis: Annual maximum
Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 469 [LAC 33:II.5109.A]
Comply with the test methods and procedures in Section P., as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 470 [LAC 33:II.5109.A]
Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 471 [LAC 33:II.5109.A]
Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 472 [LAC 33:II.5109.A]
Which Months: All Year Statistical Basis: None specified
Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 473 [LAC 33:II.5109.A]
Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- 474 [LAC 33:II.5109.A]
Which Months: All Year Statistical Basis: None specified
Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 475 [LAC 33:II.5109.A]
Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 476 [LAC 33:II.5109.A]
Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E. 10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections E. 1 through E. 7.

Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.

Which Months: All Year Statistical Basis: None specified

Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): Comply with the requirements of Section K, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Paragraph O.2.

Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9. Comply with this requirement instead of the requirements in Paragraph O.2.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.

Connectors in gas/vapor service and in light liquid service (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, including those determined to be unrepairable prior to process unit shutdown, as specified in Paragraph O.8.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

- 485 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (percent of leaking connectors ≤ 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitoring must be performed within one year from the previous monitoring. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 5 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

492 [LAC 33.III.5109.A]

Connectors in gas/vapor service and in liquid service: VOC. Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of the Louisiana Non-HON MACT for the control of tetrachloroethylene emissions constitutes MACT.

Delay of Repair: Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: VOC. Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Section K.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 10000 ppm or greater for agitators, 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.

Which Months: All Year Statistical Basis: None specified

Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

- 503 [LAC 33:III.5109.A] Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections F.1 and F.2.
- 504 [LAC 33:III.5109.A] Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Section F.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 505 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
- Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.3.

- 506 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 507 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 508 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 509 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- 510 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 511 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.d of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- 512 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Galsmar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

- 512 [LAC 33:II.5109.A] Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D 6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i.
- Which Months: All Year Statistical Basis: None specified
- 513 [LAC 33:II.5109.A] Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections D.1 through D.4.
- 514 [LAC 33:II.5109.A] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, monitor within 5 days by the methods specified in Subsection P.2.
- Which Months: All Year Statistical Basis: None specified
- 515 [LAC 33:II.5109.A] Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 516 [LAC 33:II.5109.A] Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks using the methods specified in Subsection P.2, except as provided in Subsection C.4 and Subsections D.4, D.5, and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.
- Which Months: All Year Statistical Basis: None specified
- 517 [LAC 33:II.5109.A] Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 518 [LAC 33:II.5109.A] Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Ensure that this system collects or captures the sample purge for return to the process.
- 519 [LAC 33:II.5109.A] Submit report: Due semiannually starting six months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 520 [LAC 33:II.5109.A] Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 521 [LAC 33:II.5109.A] VOC, Total monitored by technically sound method within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

- 522 [LAC 33:II.5109.A] VOC, Total recordkeeping by logbook within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled. Maintain records as required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 523 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.
- 524 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
- 525 [LAC 33:II.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- 526 [LAC 33:II.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- 527 [LAC 33:II.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. Initiate monthly monitoring within 60 days of the previous monitoring and continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.
- 528 [LAC 33:II.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 529 [LAC 33:II.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0031 21-00 HFC-125 Plant Fugitives

Valves in gas/vapor service and in liquid service (unseal-to-monitor): VOC. Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection 1.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service and in liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Valves in gas/vapor service and in liquid service: VOC. Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.

Which Months: All Year Statistical Basis: None specified

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

Comply with the requirements in 40 CFR 63 Subpart UU and the requirements referenced therein. Subpart FFFF. [40 CFR 63.2480(a)]
Permittee shall prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion, and submit the plan to the Administrator for comment only with your Notification of Compliance Status; and incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements, provided that all manuals that are incorporated by reference are submitted to the Administrator. Subpart NNNNN. [40 CFR 63.9000(a)(Table 1)]

Permittee shall use an LDAR plan and report any instances where you deviated from the plan and the corrective actions taken. Subpart NNNNN. [40 CFR 63.9040(Table 5)]

Hydrogen fluoride <= 0.23 lb/hr.
Which Months: All Year Statistical Basis: Hourly average

Hydrogen fluoride <= 0.23 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum

Hydrogen fluoride <= 1.00 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.

Which Months: All Year Statistical Basis: None specified

Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.

Which Months: All Year Statistical Basis: None specified

Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections E.1 through E.7.

Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.

Which Months: All Year Statistical Basis: None specified

Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

552 [LAC 33:II.5109.A]

Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): Comply with the requirements of Section K, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Paragraph O.2.

553 [LAC 33:II.5109.A]

Connectors in gas/vapor service and in light liquid service (<= 1 inch in diameter): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, as specified in Paragraph O.8.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9.

Comply with this requirement instead of the requirements in Paragraph O.2.

Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.
Connectors in gas/vapor service and in light liquid service (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, including those determined to be unrepairable prior to process unit shutdown, as specified in Paragraph O.8.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.

Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitoring must be performed within one year from the previous monitoring. Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

- 558 [LAC 33:II.5109.A] Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- 559 [LAC 33:II.5109.A] Connectors in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.2 through O.6.
- Which Months: All Year Statistical Basis: None specified
- 560 [LAC 33:II.5109.A] Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O.
- Which Months: All Year Statistical Basis: None specified
- 561 [LAC 33:II.5109.A] Connectors in gas/vapor service and in light liquid service: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 562 [LAC 33:II.5109.A] Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 563 [LAC 33:II.5109.A] Connectors in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- 564 [LAC 33:II.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of the Louisiana Non-HON MACT for the control of tetrachloroethylene emissions constitutes MACT.
- 565 [LAC 33:II.5109.A] Delay of Repair: Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 566 [LAC 33:II.5109.A] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 567 [LAC 33:II.5109.A] Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: VOC, Total monitored by the regulation's specified method(s), within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Section K.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 10000 ppm or greater for agitators, 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.

Which Months: All Year Statistical Basis: None specified

Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections F.1 and F.2.

Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Section F.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Which Months: All Year Statistical Basis: None specified

Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.3.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.c.ii of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1. Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

- 579 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 580 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.c.i of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.c.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- Which Months: All Year Statistical Basis: None specified
- 581 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 582 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.d of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- Which Months: All Year Statistical Basis: None specified
- 583 [LAC 33:III.5109.A] Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.c.i.
- Which Months: All Year Statistical Basis: None specified
- 584 [LAC 33:III.5109.A] Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Alternative to Subsections D.1 through D.4.
- 585 [LAC 33:III.5109.A] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, monitor within 5 days by the methods specified in Subsection P.2.
- Which Months: All Year Statistical Basis: None specified
- 586 [LAC 33:III.5109.A] Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
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FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

- 587 [LAC 33 III.5109.A] Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks using the methods specified in Subsection P.2, except as provided in Subsection C.4 and Subsections D.4, D.5, and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.
Which Months: All Year Statistical Basis: None specified
- 588 [LAC 33 III.5109.A] Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 589 [LAC 33 III.5109.A] Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Ensure that this system collects or captures the sample purge for return to the process.
- 590 [LAC 33 III.5109.A] Submit report: Due semiannually starting six months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 591 [LAC 33 III.5109.A] Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 592 [LAC 33 III.5109.A] VOC, Total monitored by technically sound method within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
Which Months: All Year Statistical Basis: None specified
- 593 [LAC 33 III.5109.A] VOC, Total recordkeeping by logbook within 90 days of placing equipment back in service that had been physically removed from service, disassembled or dismantled. Maintain records as required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 594 [LAC 33 III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.
- 595 [LAC 33 III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

FUG0032 11-93 MPP Fugitive Emissions (MPP 120 Mode)

Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. Initiate monthly monitoring within 60 days of the previous monitoring and continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section I, as specified in Subsection R.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.

Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected

Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

GRP0025 6-03 Thermal Oxidizer Cap

Group Members: EQT0067 EQT0074

604 [LAC 33:III.501.C.6] Equipment/operational data monitored by technically sound method continuously.
Which Months: All Year Statistical Basis: None specified
Hydrogen fluoride <= 1.29 lb/hr Thermal Oxidizer Emissions Cap. Source ID No. 6-03.
605 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Hourly average
Hydrogen fluoride <= 5.65 tons/yr Thermal Oxidizer Emissions Cap. Source ID No. 6-03.
606 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum
Permittee shall show compliance with the emissions limits in this permit for the thermal oxidizers (Emission Point Nos. 6-93 and 6-00) by maintaining total calculated emissions to no more than those shown in this permit on a tons per year basis. These calculated emissions shall be reported under an emissions cap (Emission Point No. 6-03) and shall be recorded each month and for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated emissions of any regulated pollutant from the thermal oxidizers above the maximum listed in this specific condition for any twelve consecutive month period shall be in violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31st of each year for the preceding year.

GRP0026 7-03 HCl Fume Scrubber Cap

Group Members: EQT0071 EQT0077

608 [LAC 33:III.501.C.6] Equipment/operational data monitored by technically sound method continuously.
Which Months: All Year Statistical Basis: None specified
Permittee shall show compliance with the emissions limits in this permit for the HCl Fume Scrubbers (Emission Point Nos. 1-95 and 12-00) by maintaining total calculated emissions to no more than those shown in this permit on a tons per year basis. These calculated emissions shall be reported under an emissions cap (Emission Point No. 7-03), shall include emissions from HCl storage tank losses (U-460A/B/C, U-6460A/B) and emissions from Railcar Loading Arms and Truck Loading Arms, and shall be recorded each month and for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated emissions of any regulated pollutant from the HCl Fume Scrubbers above the maximum listed in this specific condition for any twelve consecutive month period shall be in violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31st of each year for the preceding year.

RLP0006 2-93 Reactor Regen Stack (MPP 134a Mode)

610 [40 CFR 63.2455(a)]

Hydrogen halides and halogens >= 99 % reduction by weight, or <= 0.45 kg/hr, or <= 20 ppmv. Subpart FFFF. [40 CFR 63.2455(a)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

RLP0006 2-93 Reactor Regen Stack (MPP 134a Mode)

- 611 [40 CFR 63.2465(a)] Hydrogen halides and halogens $\geq 99\%$ reduction by weight, or ≤ 20 ppmv by venting through a closed-vent system to any combination of control devices. Subpart FFFF. [40 CFR 63.2465(a)]
Which Months: All Year Statistical Basis: None specified
Determine and sum the uncontrolled hydrogen halide and halogen HAP emissions from each of the process vents within the process using the procedures specified in 40 CFR 63.1257(d)(2)(i) and (d)(2)(ii). Subpart FFFF. [40 CFR 63.2465(b)]
Comply with 40 CFR 63.994 and the requirements referenced therein, except as specified in 40 CFR 63.2465(c)(1) through (c)(3). Subpart FFFF. [40 CFR 63.2465(c)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
Reduce the overall emissions of hydrogen halides and halogens by the control device performance level specified in a referencing subpart.
Subpart SS. [40 CFR 63.994(a)(1)]
Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.994(a)(2)]
Conduct an initial performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens according to the procedures in 40 CFR 63.997. Subpart SS. [40 CFR 63.994(b)(1)]
pH monitored by pH instrument continuously. Monitor the pH of the scrubber effluent. Subpart SS. [40 CFR 63.994(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified
Flow monitored by flow indicator continuously. Install the flow meter at the scrubber influent for liquid flow. Determine gas stream flow using one of the procedures specified in 40 CFR 63.994(c)(1)(ii)(A) through (c)(1)(ii)(D). Subpart SS. [40 CFR 63.994(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
Hydrogen fluoride ≤ 0.01 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Hydrogen fluoride ≤ 0.05 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
Hydrogen fluoride ≤ 0.05 lb/hr.
Which Months: All Year Statistical Basis: Hourly maximum
Scrubbing Agent (Water): Flow rate ≥ 15.0 gallons/min. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).

RLP0011 2-93 Reactor Regen Stack (MPP 120 Mode)

- 626 [40 CFR 63.2455(a)] Hydrogen halides and halogens $\geq 99\%$ reduction by weight, or ≤ 0.45 kg/hr, or ≤ 20 ppmv. Subpart FFFF. [40 CFR 63.2455(a)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

RLP0011 2-93 Reactor Regen Stack (MPP 120 Mode)

- 627 [40 CFR 63.2465(a)] Hydrogen halides and halogens >= 99 % reduction by weight, or <= 20 ppmv by venting through a closed-vent system to any combination of control devices. Subpart FFFF. [40 CFR 63.2465(a)]
Which Months: All Year Statistical Basis: None specified
Determine and sum the uncontrolled hydrogen halide and halogen HAP emissions from each of the process vents within the process using the procedures specified in 40 CFR 63.1257(d)(2)(i) and (d)(2)(ii). Subpart FFFF. [40 CFR 63.2465(b)]
Comply with 40 CFR 63.994 and the requirements referenced therein, except as specified in 40 CFR 63.2465(c)(1) through (c)(3). Subpart FFFF. [40 CFR 63.2465(c)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
Reduce the overall emissions of hydrogen halides and halogens by the control device performance level specified in a referencing subpart. Subpart SS. [40 CFR 63.994(a)(1)]
Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.994(a)(2)]
Conduct an initial performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens according to the procedures in 40 CFR 63.997. Subpart SS. [40 CFR 63.994(b)(1)]
pH monitored by pH instrument continuously. Monitor the pH of the scrubber effluent. Subpart SS. [40 CFR 63.994(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified
Flow monitored by flow indicator continuously. Install the flow meter at the scrubber influent for liquid flow. Determine gas stream flow using one of the procedures specified in 40 CFR 63.994(c)(1)(ii)(A) through (c)(1)(ii)(D). Subpart SS. [40 CFR 63.994(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
Hydrogen fluoride <= 0.01 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Hydrogen fluoride <= 0.05 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
Hydrogen fluoride <= 0.05 lb/hr.
Which Months: All Year Statistical Basis: Hourly average
Scrubbing Agent (Water): Flow rate >= 15.0 gallons/min. (State-Only Requirement).
Which Months: All Year Statistical Basis: None specified
Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. (State-Only Requirement).

UNF0001 Fluorocarbon Plants

- 642 [40 CFR 60.1] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
643 [40 CFR 60.4208] Comply with all applicable deadlines specified in 40 CFR 60.4208(a) through (h). Subpart III.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Getsmar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
Air - Title V Regular Permit Major Mod

UNF0001 Fluorocarbon Plants

- 644 [40 CFR 61.01] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 645 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.
- Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 646 [40 CFR 61.148] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 647 [40 CFR 63.1] Be in compliance with the emission limits and work practice standards in 40 CFR 63 Subpart FFFF Tables 1 through 7 at all times, except during periods of startup, shutdown, and malfunction. Subpart FFFF. [40 CFR 63.2450(a)]
- 648 [40 CFR 63.2450(q)] Submit documentation in the precompliance report explaining why an undue safety hazard would be created if the air emission controls were installed, and describe the procedures that will be implemented to minimize HAP emissions from these vent streams, if an emission stream contains energetics or organic peroxides that, for safety reasons, cannot meet an applicable emission limit specified in 40 CFR 63 Subpart FFFF Tables 1 through 7. Subpart FFFF. [40 CFR 63.2450(q)]
- 649 [40 CFR 63.2450(q)] Submit all of the notifications in 40 CFR 63.6(h)(4) and (h)(5), 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified, as applicable. Subpart FFFF. [40 CFR 63.2515(a)]
- 650 [40 CFR 63.2515(a)] Submit notification of intent to conduct a performance test. Due at least 60 calendar days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1), if required to conduct a performance test. Subpart FFFF. [40 CFR 63.2515(c)]
- 651 [40 CFR 63.2515(c)] Submit Compliance Report. Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(1) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 652 [40 CFR 63.2520(a)] Submit Notification of Compliance Status Report. Due no later than 150 days after the compliance date specified in 40 CFR 63.2445. Include the information specified in 40 CFR 63.2520(d)(2)(i) through (d)(2)(ix). Subpart FFFF. [40 CFR 63.2520(a)]
- 653 [40 CFR 63.2520(a)] Submit Pre-compliance Report: Due at least six months prior to the compliance date. Include the information specified in 40 CFR 63.2520(c)(1) through (c)(7), as applicable. Subpart FFFF. [40 CFR 63.2520(a)]
- 654 [40 CFR 63.2520(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 655 [40 CFR 63.2525] Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6645. Subpart ZZZZ. [40 CFR 63.6630(c)]
- 656 [40 CFR 63.6630(c)] Report each instance in which each applicable emission limitation or operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b and Tables 2a and 2b were not met according to the requirements of 40 CFR 63.6650. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 657 [40 CFR 63.6640(b)] Report each instance in which the applicable requirements in 40 CFR 63 Subpart ZZZZ Table 8 were not met. Subpart ZZZZ. [40 CFR 63.6640(e)]
- 658 [40 CFR 63.6640(e)] Submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (e), (g), and (h) by the dates specified, as specified in 40 CFR 63.6645(b) through (f). Subpart ZZZZ.
- 659 [40 CFR 63.6645] Report all deviations as defined in 40 CFR 63 Subpart ZZZZ in the semianual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). Subpart ZZZZ. [40 CFR 63.6650(f)]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex

Activity Number: PER20080001

Permit Number: 0180-00003-V2

Air - Title V Regular Permit Major Mod

UNF0001 Fluorocarbon Plants

- Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.6650(c)(1) through (c)(6) and 40 CFR 63 Subpart ZZZZ. Table 7 1 a, 1 b, or 1 c. Include the information in 40 CFR 63.6650(d)(1) and (d)(2) and 63.6650(e)(1) through (e)(12), if applicable. Subpart ZZZZ.
- Submit startup, shutdown, and malfunction report: Due by fax or telephone within 2 working days after starting actions inconsistent with the startup, shutdown, and malfunction plan, and by letter within 7 working days after the end of the event unless alternate arrangements have been made with DEQ. Include in the report actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart ZZZZ.
- Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(h)(1). Subpart ZZZZ. [40 CFR 63.6660(a)]
- Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(b)]
- Keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years of records may be kept off-site. Subpart ZZZZ. [40 CFR 63.6660(c)]
- Comply with emission limitations and work practice standards in 40 CFR 63 Subpart NNNNN at all times, except during periods of startup, shutdown, and malfunction. Subpart NNNNN. [40 CFR 63.9005(a)]
- Operate and maintain facility, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1).
- Subpart NNNNN. [40 CFR 63.9005(b)]
- Develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart NNNNN. [40 CFR 63.9005(c)]
- Develop, implement, and submit to DEQ a site-specific monitoring plan for each monitoring system that addresses the installation requirements in 40 CFR 63.9005(d)(1) through (d)(3), the ongoing procedures in 40 CFR 63.9005(d)(4) through (d)(6), and the requirements in 40 CFR 63.9025, as applicable. Submit the plan with the Notification of Compliance Status. Subpart NNNNN. [40 CFR 63.9005(d)]
- Submit Notification of Compliance Status: Due within 240 calendar days after the applicable compliance dates specified in 40 CFR 63.8995, as specified in 40 CFR 63.9045(f). Include the results of the initial compliance demonstration and the information specified in 40 CFR 63.9045(g)(1) and (g)(2). Subpart NNNNN. [40 CFR 63.9030(c)]
- Submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified. Subpart NNNNN. [40 CFR 63.9045(a)]
- Submit the application for construction or reconstruction required by 40 CFR 63.9(b)(1)(iii) in lieu of the initial notification, as specified in 40 CFR 63.9(b)(4). Subpart NNNNN. [40 CFR 63.9045(c)]
- Submit notification of intent to conduct performance test: Due at least 60 calendar days before the performance test is scheduled to begin, as required in 40 CFR 63.7(b)(1). Subpart NNNNN. [40 CFR 63.9045(d)]
- Submit an immediate startup, shutdown, or malfunction report for each startup, shutdown, and malfunction during the reporting period that is not consistent with the startup, shutdown, and malfunction plan. Submit each report according to 40 CFR 63.9050(n)(1) and (n)(2), unless DEQ has approved a different schedule for submission of reports under 40 CFR 63.10(a). Subpart NNNNN. [40 CFR 63.9050(n)]
- Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.9050(c) through (e), as applicable. Subpart NNNNN.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
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UNF0001 Fluorocarbon Plants

- 676 [40 CFR 63.9055] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in 40 CFR 63.9055(a) and (b)(1) through (b)(6), as applicable. Subpart NNNNN.
- 677 [40 CFR 63.9060(d)] Keep each previous (i.e. superseded) version of the site-specific monitoring plan and the LDAR plan for a period of 5 years after revision of the plan. If, at any time after adoption of a site-specific monitoring plan or an LDAR plan, the source ceases operation or it otherwise no longer subject to the provisions of 40 CFR 63 Subpart NNNNN, retain a copy of the most recent plan for 5 years from the date the source ceases operation or is no longer subject to 40 CFR 63 Subpart NNNNN. Subpart NNNNN. [40 CFR 63.9060(d)]
- 678 [40 CFR 63.9060] Keep records in a form suitable and readily available for expeditious inspection and review, according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site, or readily accessible from on site through a computer or other means, for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record, according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years. Subpart NNNNN.
- 679 [40 CFR 63.980] Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart SS.
- 680 [40 CFR 68.12(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]
- 681 [40 CFR 68.12(b)(2)] Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]
- 682 [40 CFR 68.12(b)(3)] Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]
- 683 [40 CFR 68.12(b)(4)] Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]
- 684 [40 CFR 68.150] Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999.
- 685 [40 CFR 68.155] Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).
- 686 [40 CFR 68.160] Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
- 687 [40 CFR 68.165] Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13).
- 688 [40 CFR 68.168] Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a).
- 689 [40 CFR 68.180] Provide in the RMP the emergency response information listed in 68.180(a) through (c).
- 690 [40 CFR 68.190(c)] Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 691 [40 CFR 68.190] Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
- 692 [40 CFR 68.200] Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided.
- 693 [40 CFR 68.22] Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
- 694 [40 CFR 68.25] Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
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UNF0001 Fluorocarbon Plants

- 695 [40 CFR 68.28]
Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e).
Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 696 [40 CFR 68.30]
List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 697 [40 CFR 68.33]
Submit revised RMP. Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 698 [40 CFR 68.36(b)]
Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
- 699 [40 CFR 68.36]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (c) on the offsite consequence analyses.
- 700 [40 CFR 68.39]
Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
- 701 [40 CFR 68.42]
Submit Title V monitoring results report: Due semiannually, by March 31 and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 702 [40 CFR 70.5(a)(1)(iii)]
Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 703 [40 CFR 70.6(a)(3)(iii)(A)]
Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 704 [40 CFR 70.6(a)(3)(iii)(B)]
Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 705 [40 CFR 70.6(c)(5)(iv)]
Outdoor burning of waste material or other combustible material is prohibited.
- 706 [40 CFR 82 Subpart F]
707 [LAC 33:III.1103]
708 [LAC 33:III.1109.B]

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003.V2
Air - Title V Regular Permit Major Mod

UNF0001 Fluorocarbon Plants

- 709 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 710 [LAC 33:III.2113.A]
- 711 [LAC 33:III.2119]
- 712 [LAC 33:III.2901.D]
- 713 [LAC 33:III.2901.F]
- 714 [LAC 33:III.501.C.6]
- 715 [LAC 33:III.501.C.6]
- 716 [LAC 33:III.501.C.6]
- 717 [LAC 33:III.501.C.6]
- 718 [LAC 33:III.507.G.5]
- 719 [LAC 33:III.5105.A.1]
- 720 [LAC 33:III.5105.A.2]
- 721 [LAC 33:III.5105.A.3]
- 722 [LAC 33:III.5105.A.4]
- 723 [LAC 33:III.5107.A.2]
- Antimony <= 0.02 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
Hydrogen fluoride <= 10.06 tons/yr.
Which Months: All Year Statistical Basis: Annual maximum
- Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, n/p-Xylene, o-Xylene. (State Only).
- Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years!
- Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

SPECIFIC REQUIREMENTS

AI ID: 2082 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
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- 724 [LAC 33.III.5107.A] Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table S1.1 or Table S1.3.
- 725 [LAC 33.III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 726 [LAC 33.III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33.III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33.III.5112, Table S1.1, or a reportable quantity (RQ) in LAC 33.III.5107.B.6, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33.III.5107.B.6.
- 727 [LAC 33.III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33.III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33.I.391.
- 728 [LAC 33.III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33.III.5107.B.1 through B.3. Include the information specified in LAC 33.III.5107.B.4.a.i through B.4.a.viii.
- 729 [LAC 33.III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 730 [LAC 33.III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33.III.Chapter S1. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33.III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 731 [LAC 33.III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 732 [LAC 33.III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 733 [LAC 33.III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33.III.5151.F.2 and F.3 for each demolition or renovation activity.
- 734 [LAC 33.III.5307.A] Submit initial emissions inventory report: Due to the Department of Environmental Quality on or before October 1, 1994. Submit on a form or in an electronic format specified by the department and include the information specified in LAC 33.III.5307.A.1 through 7.

SPECIFIC REQUIREMENTS

AI ID: 20882 - Honeywell International Inc - Geismar Complex
Activity Number: PER20080001
Permit Number: 0180-00003-V2
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- 735 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 736 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 737 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 738 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 739 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 740 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 741 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 742 [LAC 33:III.5911.C] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later.
- 743 [LAC 33:III.919.D] Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 744 [LAC 33:III.5911.D] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- 745 [LAC 33:III.5911.E] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.